USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Water Supply Outlook Report April 1, 2005

Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:
See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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United States Department of Agriculture
Natural Resources Conservation Service
Bozeman, Montana

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Where to Get More Information

This contact list provides you with the names and phone numbers of individuals who can provide more detailed snow survey information for each county.

Beaverhead County
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Broadwater County
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John Rouane Jr.
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Granite County
Mary McDonald Pochelon
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Hill County
Deana Grabofsky
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Jefferson County
Julie Sacks
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Judith Basin County
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Lake County
David Wolf
676-2841

Lewis and Clark County
Mindy Gauthier
449-5000

Liberty County
Dawn Wickum
759-5778

Lincoln County
Kirk Sullivan
296-2233

Madison County
Ole Berkram
842-5741

McCone County
Regan Fanning
485-2744

Meagher County
Tammy DeCock
547-3633

(over)

Mineral County
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829-3395

Missoula County
Tony Prince
829-3395

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323-2103

Park County
Ron Hoagland
222-2899

Petroleum County
Nikki Lott
429-6646

Phillips County
Lorna Philp
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Pondera County
Lanny Walker
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Powder River County
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Powell County
Glen Green
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Prairie County
Bob Prongua
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Stillwater County
Philip Sandoval
322-5359

Sweet Grass County
Chuck Roloff
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Teton County
Stacy Denny-Eneboe
466-5722

Toole County
Misty Vermulm
434-5234

Treasure County
Stewart Greer
342-5510

Valley County
Denise Wiedenheft
228-4321

Wheatland County
John Oiestad
632-5534

Wibaux County
Katrina Johnson
796-2211

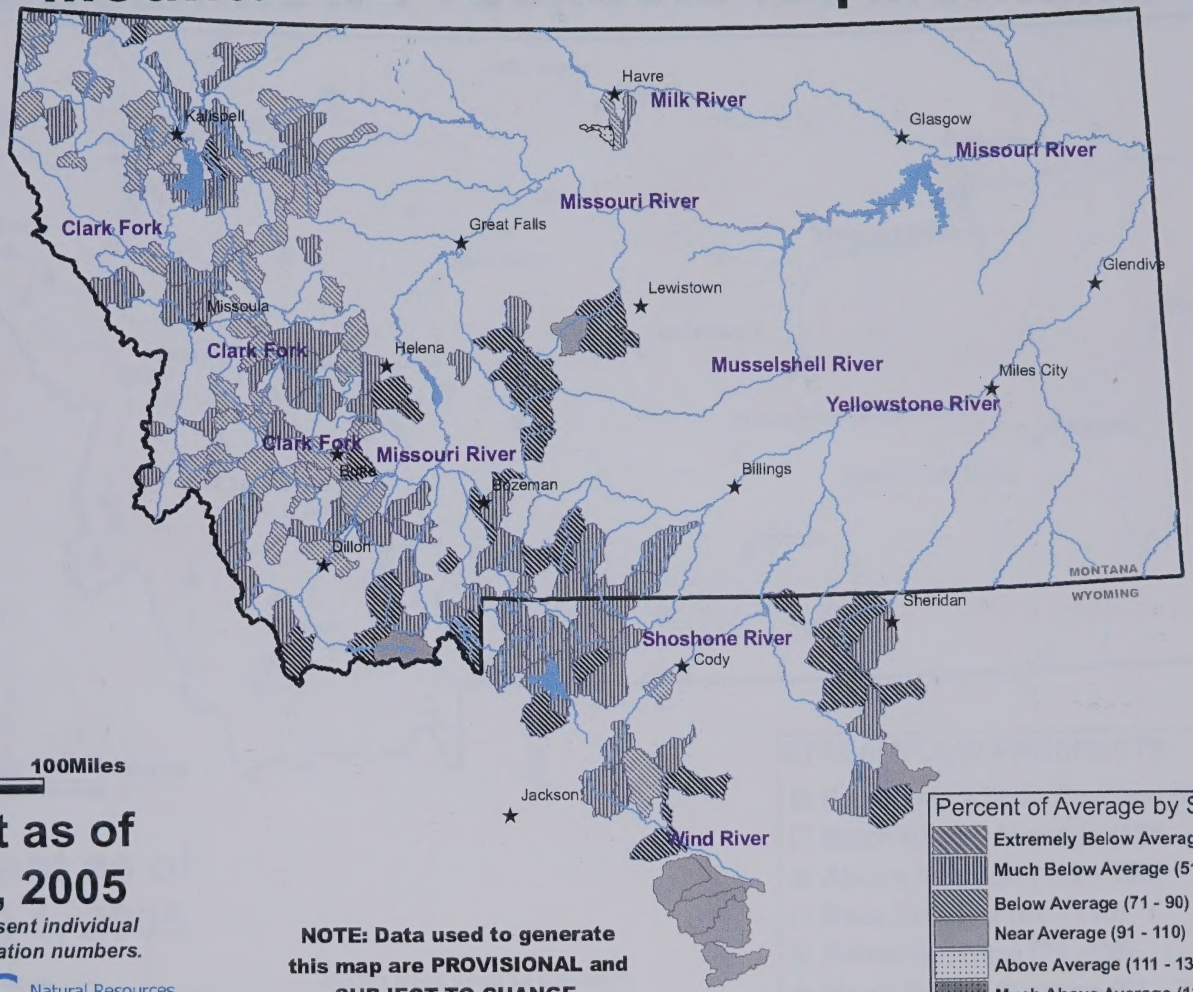
Yellowstone County
Valerie Roberson
657-6135

1/6/05

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Mountain Snow Water Equivalent



UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Streamflow Prospects for Montana

Current as of April 1, 2005

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

STREAMFLOW PROSPECTS

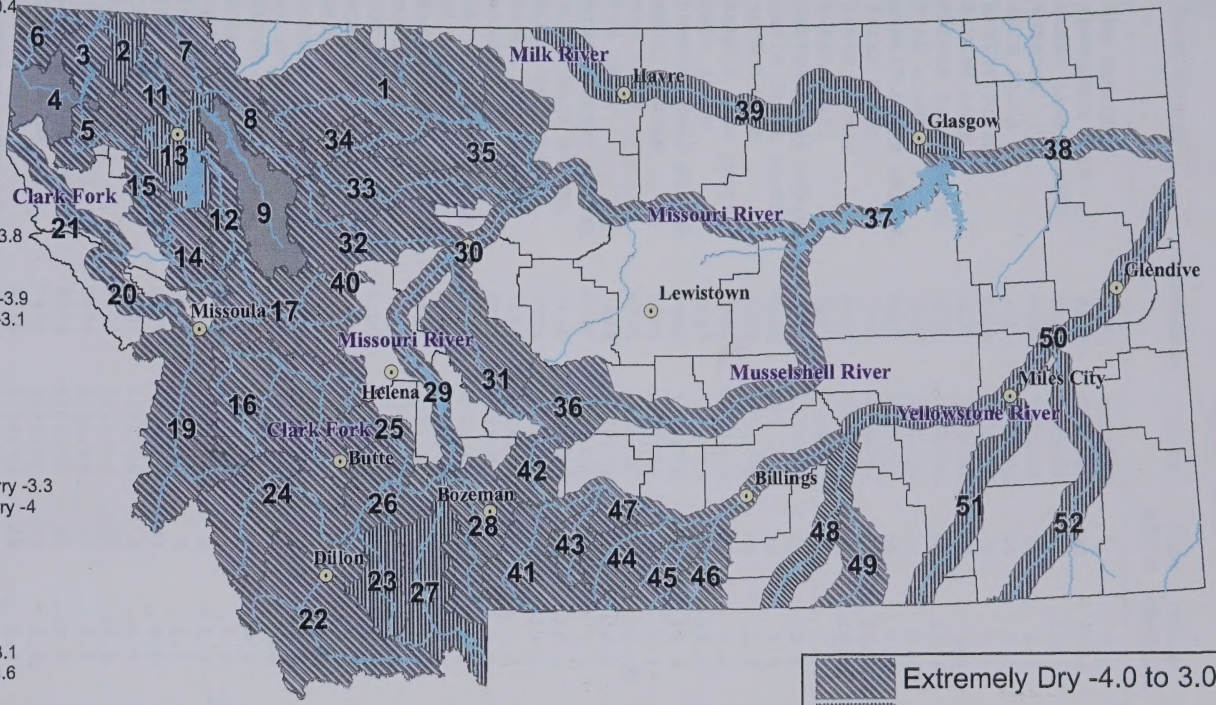
- Extremely Above Average (Over150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)

Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE

RIVER INDEX & SWSI VALUES

1 Marias above Tiber Reservoir -3.9
2 Tobacco -2.2
3 Kootenai Ft. Steele to Libby Dam -3.1
4 Kootenai below Libby Dam -0.4
5 Fisher -3.5
6 Yaak -3.4
7 North FK. Flathead -3.3
8 Middle FK. Flathead -3.5
9 South FK. Flathead -0.5
11 Stillwater/Whitefish -4
12 Swan -4
13 Flathead at Polson -2.6
14 Mission Valley -3.9
15 Little Bitterroot -4
16 Clark Fork above Milltown -3.8
17 Blackfoot -3.8
19 Bitterroot -3.9
20 Clark Fork below Bitterroot -3.9
21 Clark Fork below Flathead -3.1
22 Beaverhead -3.8
23 Ruby -2.6
24 Big Hole -3.3
25 Boulder (Jefferson) -3.9
26 Jefferson -4
27 Madison -2
28 Gallatin -3.5
29 Missouri above Canyon Ferry -3.3
30 Missouri below Canyon Ferry -4
31 Smith -3
32 Sun -3.8
33 Teton -4
34 Birch/Dupuyer Creeks -3.7
35 Marias -3.6
36 Musselshell -3.2
37 Missouriabove Fort Peck -3.1
38 Missouribelow Fort Peck -3.6
39 Milk -2.4
40 Dearbornnear Craig -3.9
41 Yellowstone above Livingston -3.1
42 Shields -3
43 Boulder(Yellowstone) -3.6
44 Stillwater -3.3
45 Rock/Red Lodge Creeks -3.6
46 Clarks Fork -3.2
47 Yellowstone above Bighorn -3.2
48 Bighorn below Bighorn Lake -1.2
49 Little Bighorn -3.5
50 Yellowstone below Bighorn -2.3
51 Tongue -2.4
52 Powder -2.2



Current as of
April 1, 2005

0 45 90 Miles

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

NRCS Natural Resources Conservation Service
http://www.mt.nrcs.usda.gov

Extremely Dry -4.0 to 3.0
Moderately Dry -2.9 to -2.0
Slightly Dry -1.9 to -1.0
Near Average -0.9 to 0.9
Sightly Wet 1.0 to 1.9
Moderately Wet 2.0 to 2.9
Extremely Wet 3.0 to 4.0
SWSI Not Apllicable

MONTANA SNOW COURSE AND SNOTEL DATA

APRIL 2005

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ABE LINCOLN	4440	3/30/05	32	7.2	15.4	18.9
ABUNDANCE LAKE	8800	3/29/05	42	10.0	13.7	20.6
ALBRO LAKE SNOTEL	8300	4/01/05	51	12.3	17.5	20.8
AMBROSE	6480	3/21/05	19	4.9	10.1	12.4
ARCH FALLS	7350	3/30/05	34	8.1	8.2	11.9
ASHLEY DIVIDE	4820	3/29/05	7	1.9	3.4	6.0
ASHLEY LAKE	4000	3/29/05	5	1.4	3.2	5.5
BADGER PASS SNOTEL	6900	4/01/05	60	19.4	28.8	35.3
BALD RIDGE	7500	4/01/05	---	9.3E	11.1	12.4
BANFIELD MTN SNOTEL	5600	4/01/05	38	9.0	13.7	19.8
BAREE CREEK	5500	4/01/05	---	20.8E	34.2	43.1
BAREE MIDWAY	4600	4/01/05	48	14.4	30.8	33.0
BAREE TRAIL	3800	4/01/05	12	2.6	7.9	7.7
BARKER LAKES SNOTEL	8250	4/01/05	45	10.5	11.8	14.6
BASIN CREEK SNOTEL	7180	4/01/05	23	5.2	6.5	8.7
BASSOO PEAK	5150	3/31/05	15	3.6	5.9	9.7
BEAGLE SPGS SNOTEL	8850	4/01/05	30	7.2	7.3	9.3
BEAR BASIN	8150	3/29/05	53	14.4	16.2	20.4
BEAVER CREEK SNOTEL	7850	4/01/05	54	14.0	17.5	18.2
BERRY MEADOW	7000	3/26/05	17	3.7	4.7	7.4
BIG CREEK	6750	4/01/05	---	30.4E	33.7	43.7
BIG SNOWY	7150	3/30/05	54	14.3	19.1	20.2
BISSON CREEK SNOTEL	4920	4/01/05	14	5.3	8.6	9.9
BLACK BEAR SNOTEL	7950	4/01/05	100	33.1	39.9	39.8
BLACK MOUNTAIN	7750	3/25/05	40	10.0	12.6	14.6
BLACK PINE SNOTEL	7100	4/01/05	27	7.3	7.4	12.5
BLACKTAIL	5650	3/27/05	29	7.1	11.8	14.2
BLOODY DICK SNOTEL	7550	4/01/05	28	6.6	9.2	12.6
BLUE LAKE	5900	3/31/05	42	14.4	19.4	23.7
BOTS SOTS	7750	4/01/05	21	5.2	5.2	7.8
BOULDER MTN SNOTEL	7950	4/01/05	52	13.8	18.0	20.4
BOX CANYON SNOTEL	6700	4/01/05	29	8.0	4.7	10.4
BOXELDER CREEK	5100	3/30/05	9	4.4	9.4	7.6
BRACKETT CR SNOTEL	7320	4/01/05	60	19.0	16.5	21.5
BRANHAM LAKES	8850	3/24/05	70	20.2	27.6	28.9
BRISTOW CREEK	3900	3/28/05	9	2.8	7.0	8.4
BRUSH CREEK TIMBER	5000	3/28/05	6	2.0	4.5	8.1
BULL MOUNTAIN	6600	3/31/05	7	1.9	.0	5.9
BURNT MTN SNOTEL	5880	4/01/05	6	2.7	.0	--
CABIN CREEK	5200	3/30/05	5	1.5	1.6	5.4
CALL ROAD	8050	3/29/05	33	6.6	8.5	11.9
CALVERT CR SNOTEL	6430	4/01/05	9	3.7	4.8	8.1
CAMP MISERY	6400	3/31/05	108	30.8	41.4	49.3
CAMP SENIA	7890	4/01/05	17	3.0	5.0	6.2
CARROT BASIN SNOTEL	9000	4/01/05	72	19.8	26.1	28.1
CARTER CREEK	7400	3/30/05	10	2.6	3.2	6.3
CEDAR GROVE	3760	3/30/05	22	5.8	10.0	11.4
CHESSMAN RESERVOIR	6200	3/25/05	12	2.1	.9	3.5
CHICKEN CREEK	4060	3/29/05	27	8.6	16.0	15.2
CLOVER MDW SNOTEL	8800	4/01/05	53	13.1	12.3	18.0
COLE CREEK SNOTEL	7850	4/01/05	41	11.3	11.1	16.4
COLLEY CREEK	6300	3/31/05	24	5.7	4.9	7.9
COMBINATION SNOTEL	5600	4/01/05	8	2.6	1.0	4.9
COPPER BOTTOM SNOTEL	5200	4/01/05	0	.0	.2	11.0
COPPER CAMP SNOTEL	6950	4/01/05	63	23.2	39.7	32.4
COPPER CREEK	5700	3/28/05	4	.5	7.6	13.3
COPPER MOUNTAIN	7700	3/26/05	33	8.0	8.9	11.2
COTTONWOOD CREEK	6400	3/25/05	19	4.8	9.0	8.3
COYOTE HILL	4200	3/31/05	12	4.1	5.8	8.7
CREVICE MOUNTAIN	8400	3/30/05	21	5.0	2.7	10.8

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
CRYSTAL LAKE SNOTEL	6050	4/01/05	37	11.7	14.1	12.3
DAD CREEK LAKE	8400	3/29/05	39	9.4	11.2	14.9
DAISY PEAK SNOTEL	7600	4/01/05	36	8.5	10.2	11.0
DALY CREEK SNOTEL	5780	4/01/05	24	7.7	7.8	11.1
DARKHORSE LK. SNOTEL	8700	4/01/05	67	19.7	23.7	32.5
DAVIS CREEK	5400	3/29/05	47	13.1	19.7	24.2
DEADMAN CR SNOTEL	6450	4/01/05	27	8.4	8.7	10.0
DESERT MOUNTAIN	5600	3/31/05	34	9.5	11.9	14.7
DISCOVERY BASIN	7050	3/29/05	24	5.8	9.2	10.4
DIVIDE SNOTEL	7800	4/01/05	40	9.5	9.7	11.3
DIX HILL	6400	3/26/05	12	3.6	5.3	10.3
DUPUYER CREEK SNOTEL	5750	4/01/05	10	3.2	5.5	9.9
EAGLE CREEK	7000	3/29/05	35	9.8	11.4	13.8
EAST FORK R.S.	5400	3/22/05	4	1.0	2.2	4.7
EL DORADO MINE	7800	3/28/05	46	11.3	17.4	20.2
ELK HORN SPRINGS	7800	3/29/05	18	4.0	4.7	9.1
ELK PEAK	8000	3/30/05	50	13.0	11.8	16.1
EMERY CREEK SNOTEL	4350	4/01/05	24	7.1	12.1	15.3
FATTY CREEK	5500	3/31/05	54	14.8	19.8	24.3
FISH CREEK	8000	3/25/05	25	4.6	7.9	9.9
FISHER CREEK SNOTEL	9100	4/01/05	84	24.8	28.4	35.4
FIVE-BULL	5700	3/26/05	17	3.2	3.6	5.5
FLATTOP MTN SNOTEL	6300	4/01/05	101	31.0	36.1	45.1
FLEECER RIDGE	7500	3/31/05	20	5.4	6.2	10.9
FOOLHEN	8280	3/29/05	40	7.8	11.0	16.2
FOREST LAKE	6400	3/29/05	26	8.2	9.4	11.7
FOUR MILE	6900	3/23/05	22	5.0	7.7	8.4
FOURTH OF JULY	3450	3/30/05	9	2.0	6.7	7.4
FRED BURR PASS	8000	3/29/05	45	11.4	20.2	23.9
FREIGHT CREEK	6000	3/31/05	13	4.0	12.2	14.8
FROHNER MDWS SNOTEL	6480	4/01/05	24	7.2	5.8	8.0
GARVER CREEK SNOTEL	4250	4/01/05	23	6.6	7.4	9.9
GIBBONS PASS	7100	3/22/05	34	10.2	20.0	22.7
GOAT MOUNTAIN	7000	3/31/05	12	3.0	7.7	9.7
GOLD CREEK LAKE	7200	3/28/05	36	8.3	13.3	14.7
GOLD STONE	8100	3/28/05	33	7.0	10.8	16.9
GRASSHOPPER	7000	3/30/05	14	3.6	3.8	5.8
GRAVE CRK SNOTEL	4300	4/01/05	25	8.9	14.4	15.6
GRIFFIN CR DIVIDE	5150	3/31/05	17	3.4	4.0	10.3
GUNSIGHT LAKE	6300	3/31/05	70	22.4	34.9	39.3
HAND CREEK SNOTEL	5030	4/01/05	11	2.8	7.4	11.7
HAWKINS LAKE SNOTEL	6450	4/01/05	55	15.5	21.0	27.4
HAYMAKER	8050	3/30/05	44	10.8	11.4	11.8
HEART LAKE TRAIL	4800	3/31/05	33	11.7	16.3	20.6
HEBGEN DAM	6550	3/27/05	28	7.5	7.6	12.0
HELL ROARING DIVIDE	5770	3/27/05	58	18.4	25.9	29.5
HERRIG JUNCTION	4850	3/29/05	50	15.9	24.8	26.0
HOLBROOK	4530	3/31/05	0	.0	.4	8.2
HOODOO BASIN SNOTEL	6050	4/01/05	90	26.1	34.5	45.3
INDEPENDENCE	7850	3/31/05	44	12.6	12.5	17.4
INTERGAARD	6450	3/27/05	8	2.3	5.9	7.7
JAHNKE LAKE TRAIL	7200	3/29/05	17	3.5	5.9	10.4
JOHNSON PARK	6450	3/29/05	14	3.8	1.7	5.5
KEELER CREEK	3300	3/28/05	13	3.8	11.8	11.5
KINGS HILL	7500	3/28/05	33	8.8	12.3	13.7
KISHENEHN	3890	3/28/05	8	2.1	7.4	6.8
KRAFT CREEK SNOTEL	4750	4/01/05	5	1.9	1.3	14.1
LAKE CREEK	6100	3/27/05	14	4.0	5.0	8.2
LAKEVIEW CANYON	6930	3/29/05	44	12.0	10.4	11.1
LAKEVIEW RDG. SNOTEL	7400	4/01/05	51	13.1	10.5	11.8
LEMHI RIDGE SNOTEL	8100	4/01/05	31	7.8	7.8	11.2
LICK CREEK SNOTEL	6860	4/01/05	34	8.6	8.8	13.0
LITTLE PARK	7400	3/29/05	43	10.9	12.3	15.9
LOGAN CREEK	4300	3/28/05	13	4.0	5.3	6.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LONE MOUNTAIN SNOTEL	8880	4/01/05	54	14.4	15.5	18.7
LOST HORSE	5940	4/01/05	---	15.4E	27.3	30.7
LOST SOUL	4800	3/28/05	19	4.6	9.4	14.0
LOWER TWIN SNOTEL	7900	4/01/05	52	13.1	15.9	19.0
LUBRECHT SNOTEL	4680	4/01/05	0	.0	.0	3.6
LUBRECHT FOREST NO 3	5450	4/01/05	3	.8	1.1	5.7
LUBRECHT FOREST NO 4	4650	4/01/05	0	.0	.0	1.3
LUBRECHT FOREST NO 6	4040	4/01/05	0	.0	.0	1.6
LUBRECHT HYDROPLOT	4200	4/01/05	0	.0	.0	2.9
MADISON PLT SNOTEL	7750	4/01/05	68	19.2	25.0	25.5
MANY GLACIER SNOTEL	4900	4/01/05	13	4.0	6.4	15.3
MARIAS PASS	5250	3/31/05	19	5.4	10.8	16.8
MIDDLE MILL CREEK	7850	3/24/05	38	9.9	14.0	15.6
MILL CREEK	7500	3/31/05	40	9.8	9.1	12.6
MINERAL CREEK	4000	3/24/05	7	1.2	13.3	17.4
MONUMENT PK SNOTEL	8850	4/01/05	61	16.0	18.3	21.0
MOSS PEAK SNOTEL	6780	4/01/05	91	27.5	29.2	38.2
MOULTON RESERVOIR	6850	3/25/05	12	2.7	5.4	6.9
MT LOCKHART SNOTEL	6400	4/01/05	39	11.7	16.8	21.1
MUDD LAKE	7650	3/29/05	40	10.0	17.6	19.7
MULE CREEK SNOTEL	8300	4/01/05	39	9.3	11.3	15.8
N.E. ENTRANCE SNOTEL	7350	4/01/05	22	6.0	3.5	11.3
NEVADA RIDGE SNOTEL	7020	4/01/05	35	9.9	12.0	15.5
NEW WORLD	6900	3/29/05	34	9.4	11.4	14.6
NEWTON MOUNTAIN	5600	4/01/05	---	14.6E	27.0	33.9
NEZ PERCE CMP SNOTEL	5650	4/01/05	30	7.9	11.9	14.7
NEZ PERCE CREEK	6600	3/26/05	8	2.2	4.8	6.5
NEZ PERCE PASS	6570	4/01/05	---	6.5E	13.0	17.8
N.F. ELK CR SNOTEL	6250	4/01/05	28	7.6	9.8	12.4
NF JOCKO SNOTEL	6330	4/01/05	89	28.8	41.3	45.3
NOISY BASIN SNOTEL	6040	4/01/05	98	30.9	34.6	40.9
NOTCH	8500	3/29/05	53	12.6	14.5	16.7
OPHIR PARK	7150	3/26/05	27	7.4	12.0	16.7
PALISADE CREEK	8250	3/31/05	48	12.8	25.9	29.8
PETERSON MDW SNOTEL	7200	4/01/05	26	5.9	8.8	10.5
PICKET PIN LOWER	6200	3/29/05	0	.0	.0	2.6
PICKET PIN MIDDLE	7250	3/29/05	20	5.6	7.2	10.9
PICKET PIN UPPER	8100	3/29/05	45	12.1	15.0	19.3
PICKFOOT CRK SNOTEL	6650	4/01/05	24	7.1	6.2	11.7
PIKE CREEK SNOTEL	5930	4/01/05	49	15.0	20.3	27.5
PIPESTONE PASS	7200	3/26/05	13	2.1	3.2	5.7
PLACER BASIN SNOTEL	8830	4/01/05	50	13.1	14.5	17.8
POORMAN CR SNOTEL	5100	4/01/05	64	19.3	34.8	32.7
PORCUPINE SNOTEL	6500	4/01/05	13	4.6	3.7	6.9
POTOMAGETON PARK	7150	3/27/05	33	9.3	12.0	13.8
RED MOUNTAIN	6000	3/29/05	40	10.2	14.9	18.8
RED TOP	5260	4/01/05	---	14.9E	22.7	28.4
REVAIS CREEK	4800	3/23/05	2	.6	.0	1.8
ROCK CREEK	5600	3/30/05	21	7.1	11.5	9.8
ROCK CREEK MEADOW	8160	4/01/05	---	15.2E	14.7	20.7
ROCKER PEAK SNOTEL	8000	4/01/05	37	9.1	11.7	14.3
ROCKY BOY SNOTEL	4700	4/01/05	8	2.4	.9	4.4
SACAJAWEA	6550	3/30/05	38	11.4	10.3	13.8
SACAJAWEA SNOTEL	6550	4/01/05	40	13.3	9.7	14.8
SADDLE MTN SNOTEL	7900	4/01/05	57	14.7	20.1	25.8
S.F. SHIELDS SNOTEL	8100	4/01/05	52	14.1	15.0	17.7
SHORT CREEK SNOTEL	7000	4/01/05	21	4.8	4.5	6.1
SHOWER FALLS SNOTEL	8100	4/01/05	69	18.6	16.4	22.7
SKALKAHO SNOTEL	7260	4/01/05	47	12.4	18.8	24.3
SLAG-A-MELT LAKE	8750	3/29/05	58	16.5	19.1	24.9
SLEEPING WOMAN SNTL	6150	4/01/05	36	10.5	10.9	17.2
SLIDE ROCK MOUNTAIN	7100	3/27/05	25	6.2	11.3	15.5
SMUGGLER MINE	6960	3/24/05	22	5.9	9.0	9.7
SPOTTED BEAR MTN.	7000	3/31/05	13	3.8	11.4	14.1

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SPUR PARK SNOTEL	8100	4/01/05	64	17.4	18.6	21.5
STAHL PEAK SNOTEL	6030	4/01/05	94	28.8	30.2	35.3
STEMPLE PASS	6600	3/27/05	17	4.6	7.2	10.2
STORM LAKE	7780	3/31/05	37	8.3	11.8	13.3
STRYKER BASIN	6180	3/29/05	70	21.7	26.8	31.9
STUART MOUNTAIN SNTL	7400	4/01/05	73	22.0	24.5	34.2
SUCKER CREEK	3960	3/30/05	0	.0	.0	.4
TAYLOR ROAD	4080	3/30/05	6	1.9	.0	1.7
TEN MILE LOWER	6600	3/26/05	17	3.7	4.8	7.0
TEN MILE MIDDLE	6800	3/25/05	28	6.1	8.3	11.4
TEPEE CREEK SNOTEL	8000	4/01/05	45	11.2	13.2	13.5
TIMBERLINE CREEK	8850	4/01/05	37	9.3	9.6	14.2
TIZER BASIN SNOTEL	6840	4/01/05	30	8.1	7.9	10.3
TRAIL CREEK	7090	3/28/05	19	4.2	4.0	8.5
TRINKUS LAKE	6100	3/31/05	85	28.6	33.0	42.0
TRUMAN CREEK	4060	3/29/05	4	1.1	1.5	3.7
TV MOUNTAIN	6800	3/31/05	41	11.8	15.5	18.5
TWELVEMILE SNOTEL	5600	4/01/05	22	6.8	12.0	17.5
TWENTY-ONE MILE	7150	3/28/05	42	11.0	14.0	16.9
TWIN CREEKS	3580	3/31/05	0	.0	9.5	9.6
TWIN LAKES SNOTEL	6400	4/01/05	72	23.4	38.3	39.7
UPPER HOLLAND LAKE	6200	3/31/05	65	21.2	29.4	34.6
WALDRON SNOTEL	5600	4/01/05	20	6.5	8.8	10.8
WARM SPRINGS SNOTEL	7800	4/01/05	48	12.4	19.3	21.2
WEASEL DIVIDE	5450	3/30/05	73	23.1	29.0	32.9
WEST YELL'ST SNOTEL	6700	4/01/05	32	10.1	8.2	12.8
WHISKEY CREEK SNOTEL	6800	4/01/05	55	13.7	16.3	17.4
WHITE MILL SNOTEL	8700	4/01/05	63	17.0	17.8	24.6
WHITE PINE RIDGE	8850	3/29/05	19	3.7	4.4	6.0
WILLOW CREEK	6500	3/28/05	15	4.6	4.5	8.1
WOOD CREEK SNOTEL	5960	4/01/05	20	6.9	7.0	10.0
WRONG CREEK	5700	3/29/05	14	4.9	8.4	12.3
WRONG RIDGE	6800	3/29/05	27	7.8	11.4	18.0

Montana Water Supply Outlook Report as of April 1, 2005

March precipitation was 9 percent above average the best we have seen since October, 2004. March mountain snowpack increased an average of 7 percent with the greatest increase in the Missouri Mainstem where the gain averaged 19 percent. Even with the March snowpack gains, 8 of 15 major river basins, or 53 percent, have tied or set new record lows for April 1. Unlike last year at this time, the mountain snowpack has not had significant melt and continues to accumulate. With the snowfall season almost over, spring and summer streamflow will depend on the timing of snow melt and rainfall. Without above average spring and summer rain, there will be surface water shortages across the state. Water users and water managers need to plan for very low streamflows unless Montana gets into a wet storm pattern.

Snowpack

As of APRIL 1, mountain snow water contents statewide were 60 percent of average and 76 percent of last year. West of the Divide snowpack was 53 percent of average and 66 percent of last year. East of the Divide snowpack was 67 percent of average and 90 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	MARCH % CHANGE
COLUMBIA	53	66	+6
KOOTENAI, MONTANA	53	63	+6
KOOTENAI, CANADA	72	78	0
FLATHEAD, MONTANA	57	72	+6
FLATHEAD, CANADA	57	73	+12
UPPER CLARK FORK	52	67	+5
BITTERROOT	50	63	+2
LOWER CLARK FORK	52	63	+12
MISSOURI	65	83	+9
MISSOURI HEADWATERS	66	84	+3
JEFFERSON	61	79	+1
MADISON	72	84	+5
GALLATIN	75	95	+9
MISSOURI MAINSTEM	63	80	+19
HEADWATERS MAINSTEM	64	84	+13
SMITH-JUDITH-MUSSELSHELL	77	90	+18
SUN-TETON-MARIAS	49	68	+12
MILK (Bearpaw Mtns.)	62	84	+52
ST. MARY	47	65	-4
ST. MARY & MILK	49	68	+14
YELLOWSTONE	73	106	+5
UPPER YELLOWSTONE	69	101	+9
LOWER YELLOWSTONE	75	112	+2

Precipitation

March mountain and valley precipitation across the state was 108 percent of average and 194 percent of last year, while the water year precipitation was 74 percent of average and 85 percent of last year. West of the Continental Divide, March mountain and valley precipitation was 109 percent of average and 169 percent of last year and the water year precipitation was 72 percent of average and 83 percent of last year. East of the Divide, March mountain and valley precipitation was 107 percent of average and 215 percent of last year and the water year precipitation was 76 percent of average and 86 percent of last year.

RIVER BASIN	MARCH % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	109	72
KOOTENAI	104	80
FLATHEAD	122	81
UPPER CLARK FORK	102	64
BITTERROOT	86	59
LOWER CLARK FORK	112	70
MISSOURI	112	75
JEFFERSON	90	70
MADISON	91	77
GALLATIN	103	76
MISSOURI MAINSTEM	121	73
SMITH-JUDITH-MUSSELSHELL	140	80
SUN-TETON-MARIAS	119	73
MILK	181	82
ST. MARY	91	75
YELLOWSTONE	91	77
UPPER YELLOWSTONE	93	75
LOWER YELLOWSTONE	88	80

Reservoirs

Major reservoir storages statewide were 89 percent of average and 104 percent of last year. Reservoir storage west of the Continental Divide was 180 percent of average and 125 percent of last year. East of the Continental Divide, reservoir storage was 66 percent of average and 93 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	180	125
KOOTENAI	220	115
FLATHEAD	162	139
UPPER CLARK FORK	94	96
BITTERROOT	118	120
LOWER CLARK FORK	120	103
MISSOURI	65	93
JEFFERSON	59	142
MADISON	110	112
GALLATIN	147	106
MISSOURI MAINSTEM	62	91
SMITH-JUDITH-MUSSELSHELL	45	104
SUN-TETON-MARIAS	103	102
MILK	72	119
ST. MARY	181	249
YELLOWSTONE	83	97
UPPER YELLOWSTONE	119	106
LOWER YELLOWSTONE	82	97

Streamflow

With near average spring and summer rain, streamflows are forecast to be below those forecast last year on April 1. Actual streamflows will now depend upon how the mountain snowpack melts and the timing and amount of rainfall.

State-wide streamflow forecasts average 45 to 56 percent. West of the Continental Divide, streamflow forecasts average 43 and 49 percent and east of the Continental Divide, average between 46 and 60 percent.

Below are averaged river basin streamflow forecast summaries for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	43 to 49	62 to 72
KOOTENAI	55 to 61	73 to 81
FLATHEAD	50 to 54	65 to 73
UPPER CLARK FORK	34 to 40	51 to 65
BITTERROOT	43 to 51	64 to 73
LOWER CLARK FORK	40 to 46	64 to 71
MISSOURI	41 to 56	62 to 79
JEFFERSON	33 to 47	61 to 79
MADISON	71 to 78	89 to 95
GALLATIN	61 to 71	75 to 85
MISSOURI MAINSTEM	45 to 60	65 to 80
SMITH-JUDITH-MUSSELSHELL	34 to 50	76 to 92
SUN-TETON-MARIAS	34 to 49	58 to 78
MILK	41 to 62	20 to 42
ST. MARY	64 to 70	78 to 84
YELLOWSTONE	58 to 70	67 to 79
UPPER YELLOWSTONE	59 to 69	75 to 85
LOWER YELLOWSTONE	57 to 71	56 to 70

Surface Water Supply Index

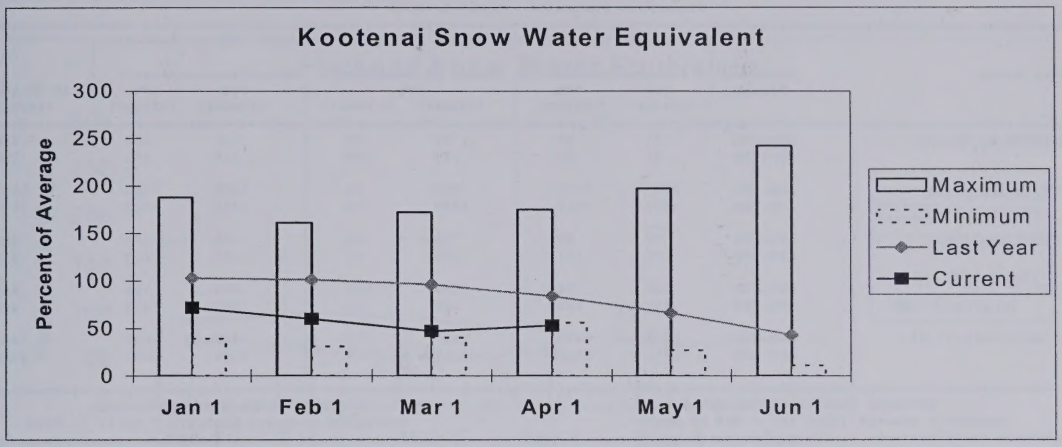
The Surface Water Supply Index (SWSI) is an indicator of surface water supply conditions for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This Year SWSI	Last Year SWSI	Basin
-2.2	-0.9	Tobacco River
-3.1	-1.3	Kootenai Ft. Steele to Libby Dam
-0.4	+0.7	Kootenai River below Libby Dam
-3.5	-1.5	Fisher River
-3.4	-1.3	Yaak River
-3.3	-1.5	North Fork Flathead River
-3.5	-2.1	Middle FORK Flathead River
-0.5	-1.2	South Fork Flathead River
-2.3	-1.8	Flathead River at Columbia Falls
-4.0	-1.8	Stillwater/Whitefish Rivers
-4.0	-2.4	Swan River
-2.6	-2.3	Flathead River at Polson
-3.9	-2.0	Mission Valley
-4.0	-3.9	Little Bitterroot River
-3.8	-1.4	Clark Fork River above Milltown
-3.8	-2.3	Blackfoot River
-3.9	-2.2	Bitterroot River
-3.9	-2.7	Clark Fork River below Bitterroot River
-3.1	-2.4	Clark Fork River below Flathead River
-3.8	-3.7	Beaverhead River
-2.6	-3.4	Ruby River
-3.3	-2.0	Big Hole River
-3.9	-2.1	Boulder River (Jefferson)
-4.0	-2.6	Jefferson River
-2.0	-1.5	Madison River
-3.5	-1.5	Gallatin River
-3.3	-1.6	Missouri River above Canyon Ferry
-4.0	-1.6	Missouri River below Canyon Ferry
-3.0	-1.5	Smith River
-3.8	-1.9	Sun River
-4.0	-1.7	Teton River
-3.7	-2.5	Birch/Dupuyer Creeks
-3.9	-2.2	Marias River above Tiber
-3.6	-1.9	Marias River below Tiber
-3.2	-1.2	Musselshell River
-3.1	-1.2	Missouri River above Ft. Peck
-3.6	-4.0	Missouri River below Ft. Peck
-2.4	-3.4	Milk River
-3.9	-3.3	Dearborn River near Craig
-3.1	-1.9	Yellowstone River above Livingston
-3.0	-2.9	Shields River
-3.6	-2.2	Boulder River (Yellowstone)
-3.3	-2.2	Stillwater River
-3.6	-2.6	Rock/Red Lodge Creeks
-3.2	-1.9	Clarks Fork River
-3.2	-2.0	Yellowstone River above Bighorn River
-1.2	-2.8	Bighorn River below Bighorn Lake
-3.5	-2.8	Little Bighorn River
-2.3	-2.4	Yellowstone River below Bighorn River
-2.4	-3.1	Tongue River
-2.2	-1.9	Powder River

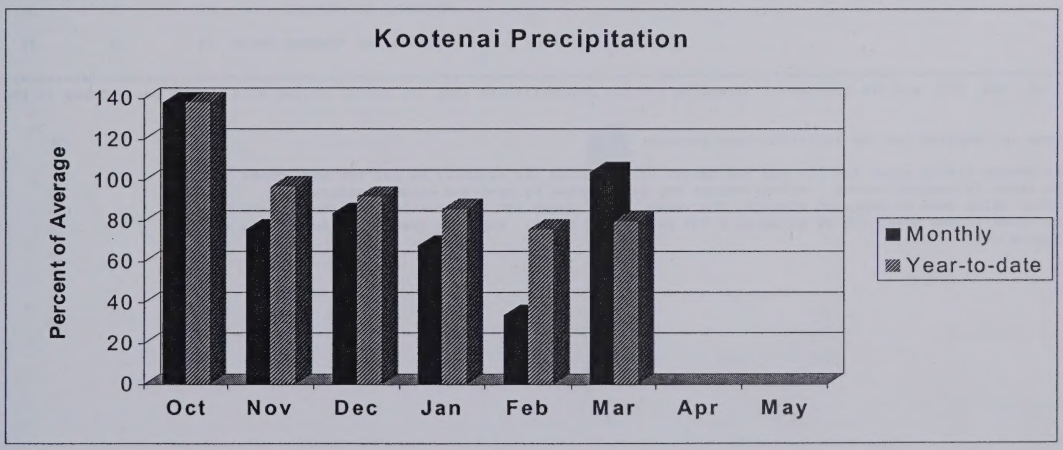
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were well below average and increased 6 percent during March. Snow water content was 53 percent of average, 63 percent of last year, and tied for the record low of 2001. Snowpack in the Kootenay in Canada were below average. Snow water content was 72 percent of average and 78 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 101 percent of average and 164 percent of last year. Valley precipitation during March was 132 percent of average and 276 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 80 percent of average and 91 percent of last year.



Lake Koocanusa storage was 220 percent of average and 115 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 55 to 61 percent.

Surface Water Supply Index (SWSI) was -2.2 in the Tobacco River; -3.1 in the Kootenai Ft. Steele to Libby Dam; -0.4 in the Kootenai River below Libby Dam; -3.5 in the Fisher River; and -3.4 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	53	75	90	66	105	127	136
	APR-SEP	57	82	99	66	116	141	150
LIBBY RES Inflow (1,2)	APR-JUL	2880	3770	4180	74	4590	5480	5640
	APR-SEP	3620	4510	4920	74	5330	6220	6640
FISHER RIVER nr Libby	APR-JUL	89	95	99	43	125	164	230
	APR-SEP	95	101	105	43	133	173	245
YAAK RIVER nr Troy	APR-JUL	133	194	235	51	275	335	465
	APR-SEP	139	200	245	50	290	350	490
KOOTENAI at Leonia (1,2)	APR-JUL	4210	4840	5120	73	5400	6030	7040
	APR-SEP	4330	5420	5910	73	6400	7490	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3828.0	3323.0	1743.7

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	11	78	67
KOOTENAI MAINTSTEM	8	62	55
TOBACCO	3	83	73
FISHER	5	50	41
YAAK	8	62	50
KOOTENAI in MONTANA	23	63	53
KOOTENAI ab BONNERS FERRY	34	67	57

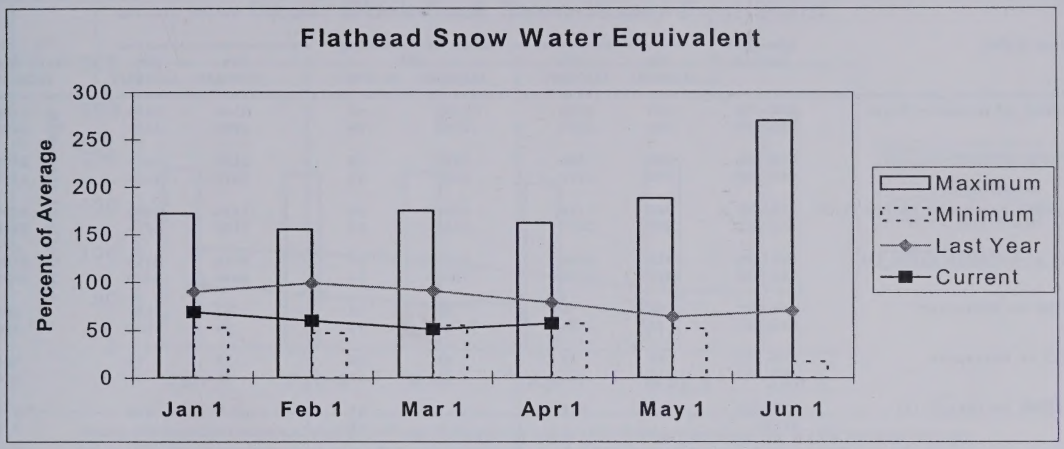
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

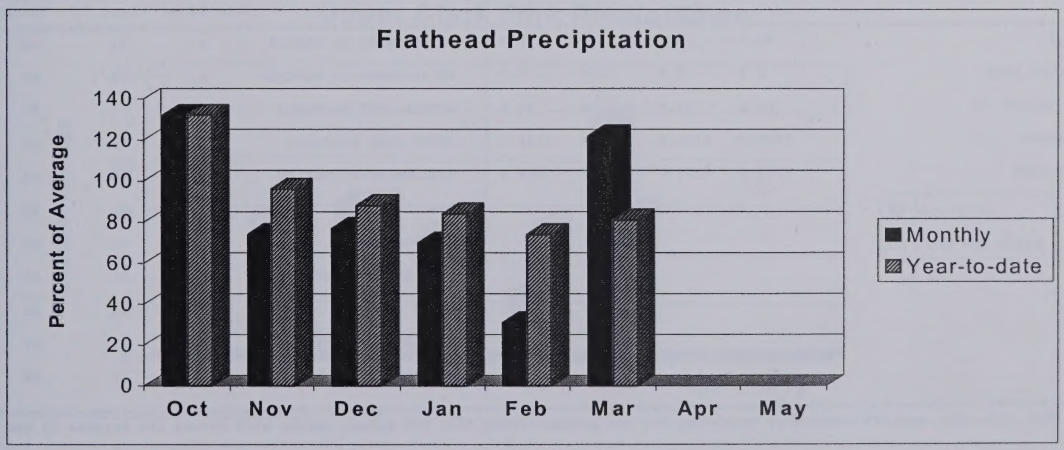
Flathead River Basin

Snowpack conditions in the Flathead River Basin were well below average and increased 6 percent during March. Snow water content was 57 percent of average, 72 percent of last year, and has set a new record low. Snowpack in the Flathead of Canada were well below average and increased 12 percent during March. Snow water content was 57 percent of average and 73 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2001; April maximum swe was in 1972 and minimum was in 2001; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 121 percent of average and 171 percent of last year. Valley precipitation during March was 142 percent of average and 250 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 81 percent of average and 92 percent of last year.



Combined Camas reservoir storage was 24 percent of average and 65 percent of last year; Lower Jocko Lake was 0 percent of average and 0 percent of last year; combined Mission Valley reservoir storage was 102 percent of average and 143 percent of last year; Hungry Horse storage was 168 percent of average and 129 percent of last year; and Flathead Lake storage was 156 percent of average and 178 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 50 to 54 percent.

Surface Water Supply Index (SWSI) was -3.3 in the North Fork Flathead River; -3.5 in the Middle Fork Flathead River; -0.5 in the South Fork Flathead River; -2.3 in the Flathead River at Columbia Falls; -4.0 in the Stillwater/Whitefish Rivers; -4.0 in the Swan River; -2.6 in the Flathead River at Polson; -3.9 in the Mission Valley; and -4.0 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	855	1000	1100	68	1200	1350	1620
	APR-SEP	965	1130	1240	69	1350	1510	1800
MF FLATHEAD nr West Glacier	APR-JUL	820	940	1020	64	1105	1215	1590
	APR-SEP	895	1030	1120	64	1210	1340	1740
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	860	1110	1220	61	1330	1580	2000
	APR-SEP	870	1170	1310	62	1450	1750	2120
FLATHEAD at Columbia Falls (2)	APR-JUL	2610	3070	3390	63	3710	4170	5350
	APR-SEP	2890	3390	3740	64	4090	4590	5820
STILLWATER nr Whitefish	APR-JUL	51	56	59	31	83	118	192
	APR-SEP	55	61	64	31	90	129	210
WHITEFISH nr Kalispell	APR-JUL	40	45	48	48	58	73	101
	APR-SEP	45	50	54	47	66	83	114
ASHLEY CREEK nr Marion (2)	APR-JUL	2.0	2.0	2.1	29	3.1	4.6	7.2
	APRIL			1.1	41			2.7
SWAN RIVER nr Bigfork	APR-JUL	240	305	350	62	395	460	565
	APR-SEP	290	355	400	62	445	510	645
Flathead Lake inflow (1,2)	APR-JUL	2760	3560	3930	64	4300	5100	6180
	APR-SEP	2990	3860	4260	64	4660	5530	6700

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)	45.2	6.2	9.5	25.4
LOWER JOCKO LAKE	6.4	0.0	0.0	0.1
MISSION VALLEY (8)	100.0	39.5	27.7	38.8
HUNGRY HORSE	3451.0	3164.0	2456.0	1886.7
FLATHEAD LAKE	1791.0	1153.0	649.3	738.5

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	1	58	35
NF FLATHEAD in MONTANA	9	71	60
MIDDLE FORK FLATHEAD	7	71	57
SOUTH FORK FLATHEAD	9	70	57
STILLWATER-WHITEFISH	10	66	53
SWAN	9	82	65
MISSION VALLEY	5	83	65
LITTLE BITTERROOT-ASHLEY	6	62	37
JOCKO	5	80	63
FLATHEAD in MONTANA	43	73	57
FLATHEAD RIVER BASIN	44	73	57

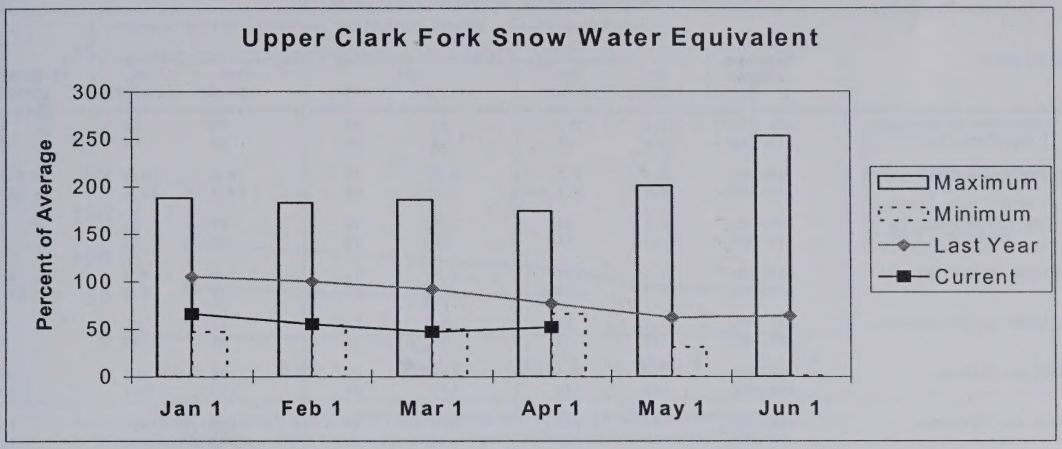
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

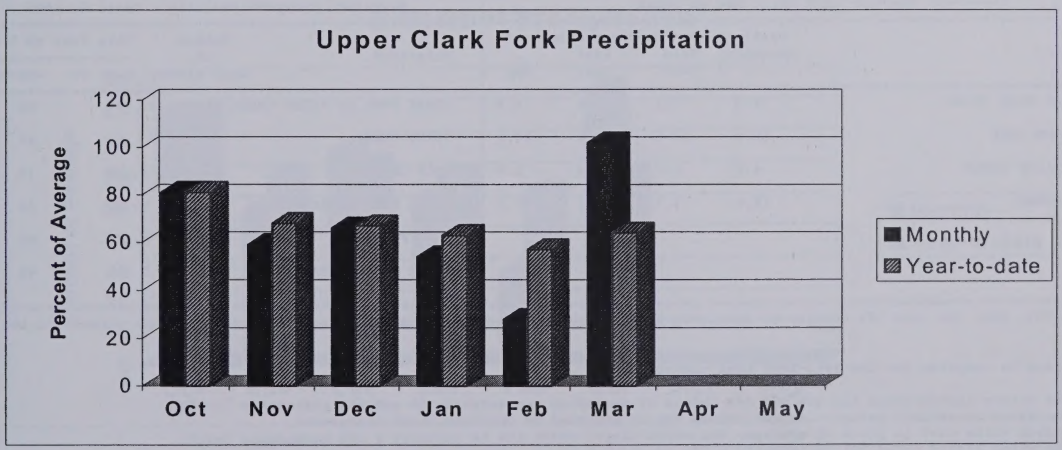
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were well below average and increased 5 percent during March. Snow water content was 52 percent of average, 67 percent of last year, and has set a new record low.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during March was 101 percent of average and 157 percent of last year. Valley precipitation during March was 111 percent of average and 201 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 64 percent of average and 75 percent of last year.



East Fork Rock Creek storage was 72 percent of average and 109 percent of last year; Georgetown Lake was 109 percent of average and 98 percent of last year; Lower Willow Creek was 85 percent of average and 100 percent of last year; and Nevada Creek storage was 75 percent of average and 77 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 34 to 40 percent.

Surface Water Supply Index (SWSI) was -3.8 in the Clark Fork River above Milltown; and -3.8 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LITTLE BLACKFOOT nr Garrison	APR-JUL	14.2	18.9	22	29	37	59	76
	APR-SEP	15.6	21	24	29	40	64	84
FLINT CREEK nr Southern Cross	APR-JUL	4.0	5.2	6.0	44	8.6	12.5	13.7
	APR-SEP	4.6	6.1	7.1	44	10.3	15.1	16.2
FLINT CREEK blw Boulder Ck	APR-JUL	18.1	23	27	48	37	52	56
	APR-SEP	24	30	34	48	46	63	71
LOWER WILLOW CK RES Inflow	APR-MAY	2.1	2.5	2.7	33	3.8	5.5	8.2
	APR-JUL	2.6	3.1	3.4	27	5.4	8.4	12.5
MF ROCK CREEK nr Philipsburg	APR-JUL	17.6	27	34	53	41	50	64
	APR-SEP	20	31	38	53	45	56	72
ROCK CREEK nr Clinton	APR-JUL	100	113	121	45	155	204	270
	APR-SEP	112	126	135	44	172	229	305
CLARK FORK abv Milltown	APR-JUL	142	191	225	37	325	480	605
	APR-SEP	176	232	270	38	385	555	705
NEVADA CREEK nr Helmville	APR-MAY	2.0	2.4	2.7	26	4.3	6.7	10.3
	APR-JUL	3.4	4.1	4.6	27	7.5	11.7	17.3
BLACKFOOT RIVER nr Bonner	APR-JUL	153	275	360	45	445	565	805
	APR-SEP	180	310	400	45	490	620	890
CLARK FORK abv Missoula	APR-JUL	260	450	580	41	710	900	1410
	APR-SEP	315	525	670	42	815	1020	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	7.1	6.5	9.9
GEORGETOWN LAKE	31.0	28.6	29.2	26.2
LOWER WILLOW CREEK	4.9	2.3	2.3	2.7
NEVADA CREEK	12.6	5.7	7.4	7.6

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	16	70	55
FLINT CREEK	7	68	52
ROCK CREEK	6	58	48
CLARK FORK ab BLACKFOOT	25	66	52
BLACKFOOT	16	68	50
UPPER CLARK FORK BASIN	39	67	52

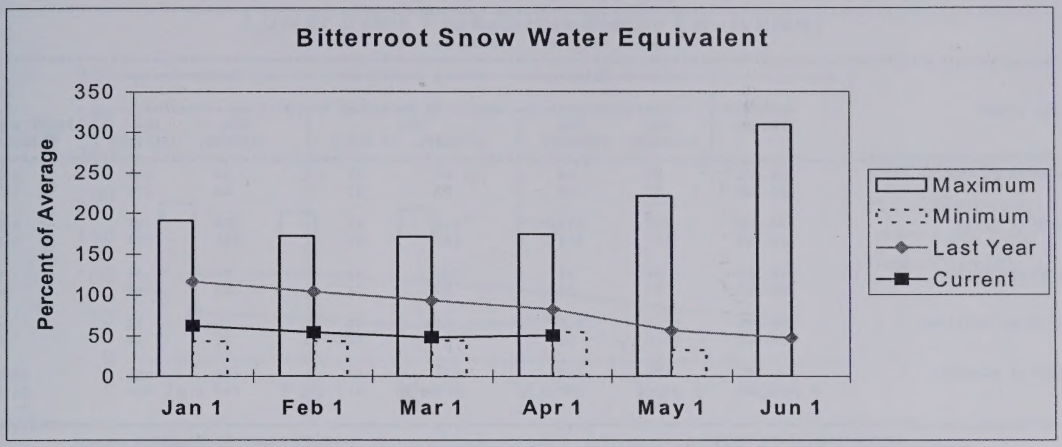
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

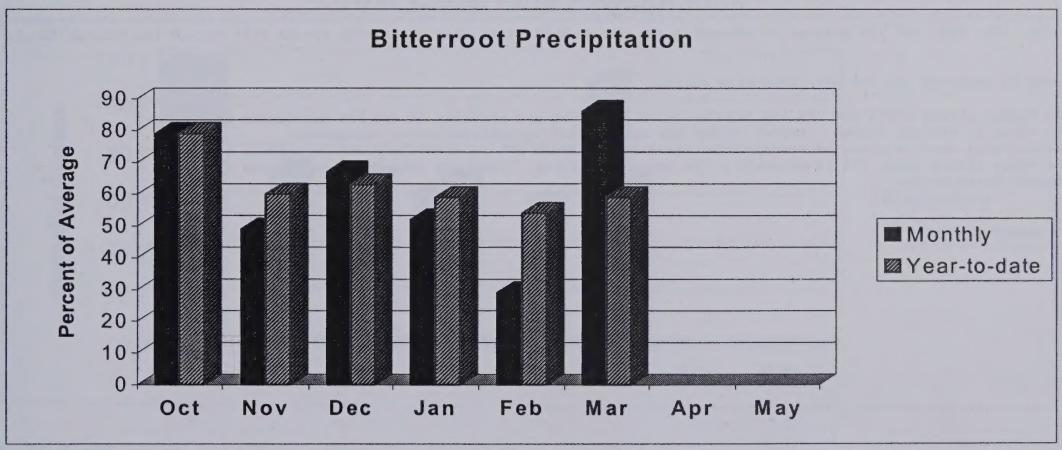
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were well below average and increased 2 percent during March. Snow water content was 50 percent of average, 61 percent of last year, and has set a new record low.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 2001; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 86 percent of average and 121 percent of last year. Valley precipitation during March was 80 percent of average and 296 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 59 percent of average and 66 percent of last year.



Painted Rocks Lake storage was 85 percent of average and 72 percent of last year and Como storage was 138 percent of average and 163 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 43 to 51 percent.

Surface Water Supply Index (SWSI) was -3.9 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	53	62	67	47	83	107	143
	APR-SEP	57	67	73	47	92	119	157
BITTERROOT nr Darby	APR-JUL	105	171	215	47	260	325	460
	APR-SEP	127	194	240	47	285	355	515
COMO RESERVOIR Inflow	APR-JUL	36	44	50	64	56	64	78
	APR-SEP	37	46	52	63	58	67	82
SKALKAHO CK nr Hamilton	APR-JUL	11.2	18.2	23	52	28	35	44
	APR-SEP	13.1	21	26	52	31	39	50
BITTERROOT at Missoula	APR-JUL	370	490	575	46	660	780	1250
	APR-SEP	410	540	630	46	720	850	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	8.2	11.4	9.6
COMO	34.9	20.6	12.6	14.9

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	3	65	50
EAST SIDE BITTERROOT	6	64	50
WEST SIDE BITTERROOT	4	59	52
BITTERROOT RIVER BASIN	12	61	50

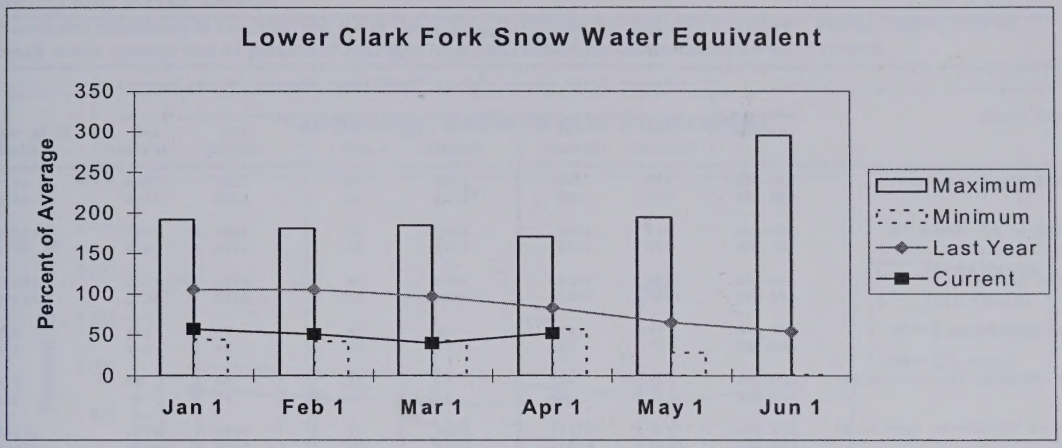
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

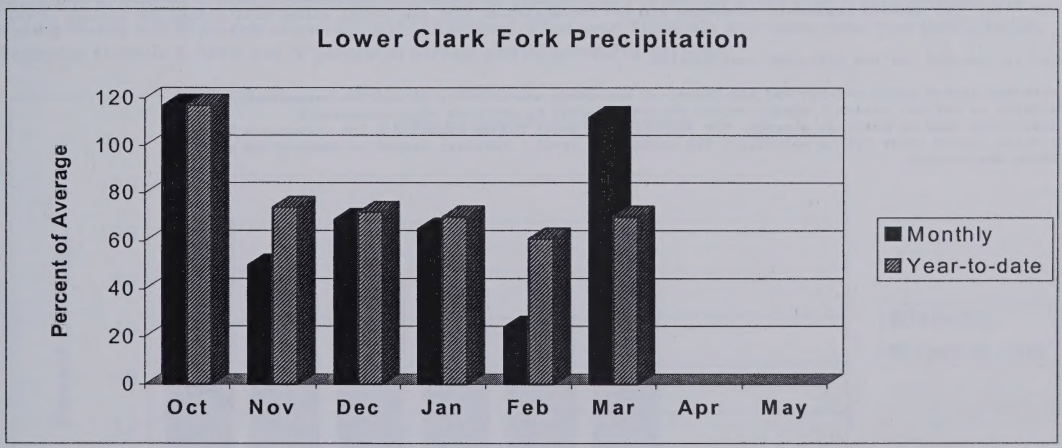
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well below average and increased 12 percent during March. Snow water content was 52 percent of average, 63 percent of last year, and has set a new record low.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe was in 1981; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during March was 171 percent of average and 192 percent of last year. Valley precipitation during March was 63 percent of average and 109 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 70 percent of average and 82 percent of last year.



Noxon Rapids storage was 120 percent of average and 103 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 40 to 46 percent.

Surface Water Supply Index (SWSI) was -3.9 in the Clark Fork River below Bitterroot River and -3.1 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN

Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK blw Missoula	APR-JUL	670	960	1160	44	1360	1650	2660
	APR-SEP	770	1090	1310	44	1530	1850	2960
CLARK FORK at St. Regis (1)	APR-JUL	615	1280	1580	45	1880	2540	3520
	APR-SEP	710	1450	1780	46	2110	2850	3910
CLARK FORK nr Plains (1,2)	APR-JUL	3600	5020	5670	56	6320	7740	10100
	APR-SEP	3950	5520	6230	56	6940	8510	11100
THOMPSON nr Thompson Falls	APR-JUL	59	65	69	34	87	113	205
	APR-SEP	67	73	77	34	95	122	230
PROSPECT CREEK at Thompson Falls	APR-JUL	39	42	44	38	53	67	116
	APR-SEP	41	45	47	38	57	71	124
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	3920	5580	6330	56	7080	8740	11300
	APR-SEP	4310	6130	6960	56	7790	9610	12500

LOWER CLARK FORK RIVER BASIN

Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	326.6	316.9	272.9

LOWER CLARK FORK RIVER BASIN

Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	14	63	52

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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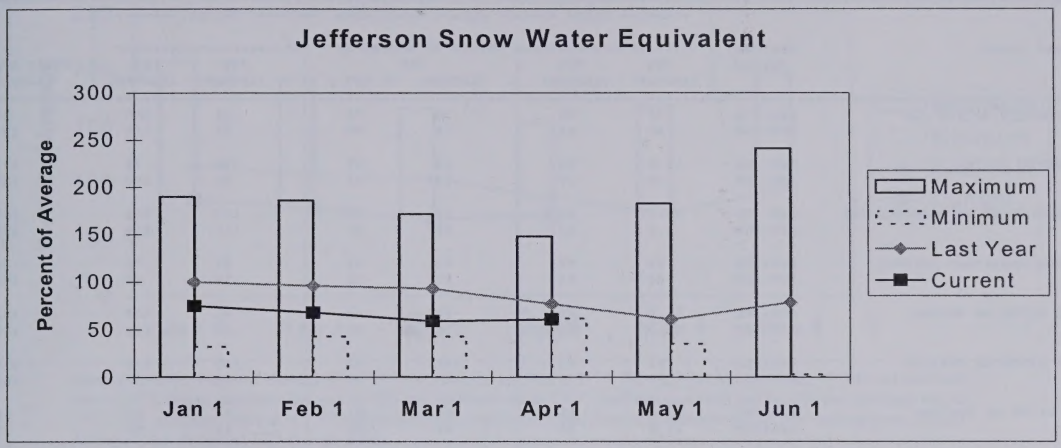
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

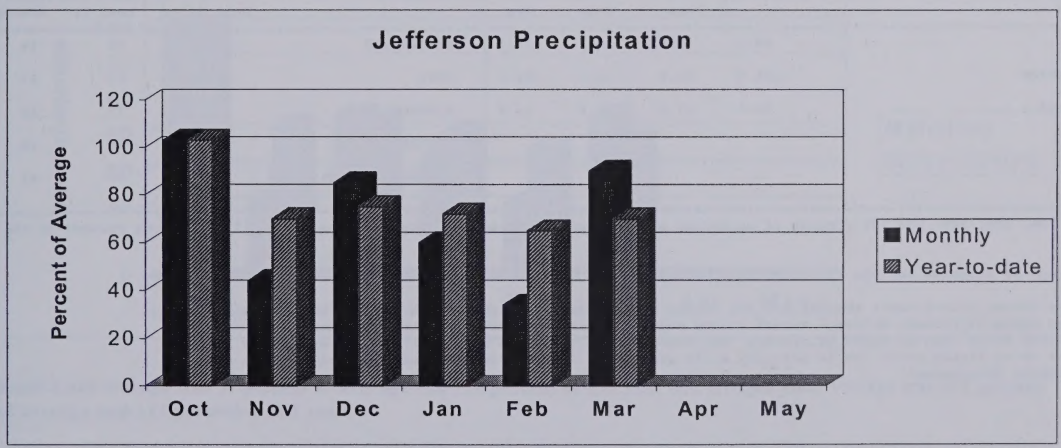
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were well below average and increased 1 percent during March. Snow water content was 61 percent of average, 79 percent of last year, and second lowest of record.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during March was 92 percent of average and 179 percent of last year. Valley precipitation during March was 75 percent of average and 173 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 70 percent of average and 82 percent of last year.



Lima storage was 109 percent of average and 397 percent of last year; Clark Canyon storage was 38 percent of average and 108 percent of last year; and Ruby River storage was 98 percent of average and 112 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 33 to 47 percent.

Surface Water Supply Index (SWSI) was -3.8 in the Beaverhead River; -2.6 in the Ruby River; -3.3 in the Big Hole River; -3.9 in the Boulder River; and -4.0 in the Jefferson River near Three Forks.

JEFFERSON RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	45	58	69	72	82	107	96
	APR-SEP	47	61	73	70	87	114	104
CLARK CANYON Inflow (2)	APR-JUL	15.0	24	33	25	46	74	131
	APR-SEP	24	37	49	31	65	100	156
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	16.0	56	84	50	112	152	168
	APR-SEP	4.0	52	84	42	116	164	200
RUBY RIVER Reservoir Inflow	APR-JUL	34	47	55	66	63	76	84
	APR-SEP	44	58	67	66	76	90	101
BIG HOLE RIVER at Wisdom	APR-JUL	11.0	28	42	35	61	104	121
	APR-SEP	12.0	29	46	35	65	112	130
BIG HOLE RIVER nr Melrose	APR-JUL	82	197	275	45	355	470	610
	APR-SEP	99	225	310	47	395	520	660
BOULDER RIVER nr Boulder	APR-JUL	11.7	22	40	51	58	85	78
	APR-SEP	12.8	25	45	53	65	94	85
WILLOW CREEK Reservoir Inflow	APR-JUL	1.1	2.9	7.5	42	12.1	18.5	17.9
	APR-SEP	1.4	3.0	8.4	42	13.8	22	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	47	207	315	40	425	585	780
	APR-SEP	62	230	345	40	460	630	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	42.5	10.7	39.1
CLARK CANYON	255.6	58.5	54.2	152.0
RUBY RIVER	38.8	31.0	27.8	31.5

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	18	90	68
RUBY	11	81	67
BIGHOLE	21	71	52
BOULDER	9	78	58
JEFFERSON RIVER BASIN	49	79	61

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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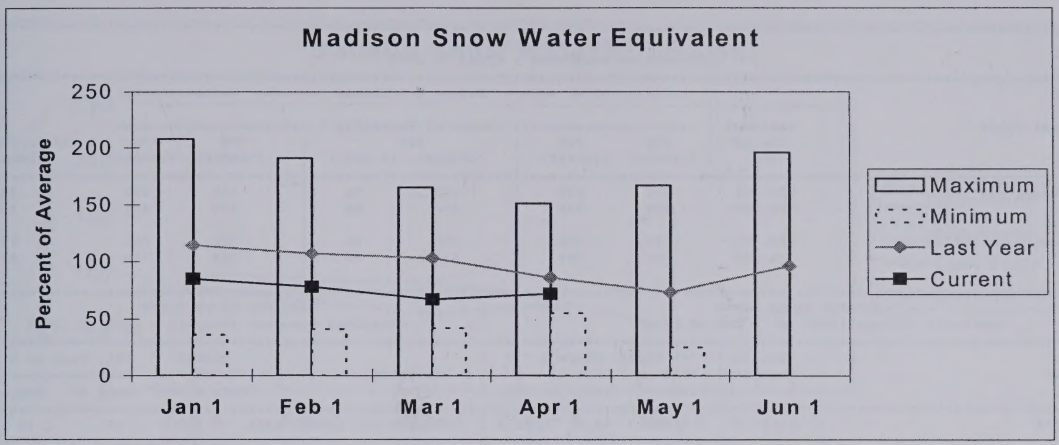
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

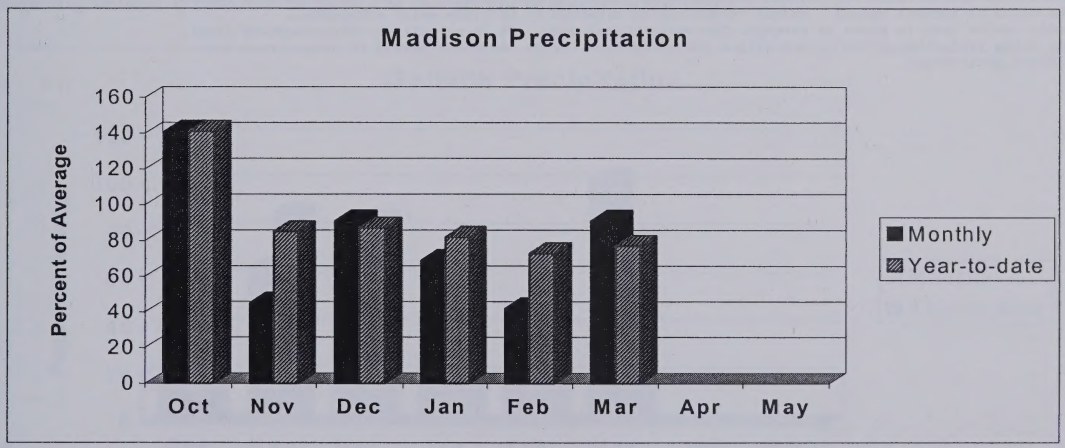
Madison River Basin

Snowpack conditions in the Madison River Basin were below average and increased 5 percent during March. Snow water content was 72 percent of average, 84 percent of last year, and seventh lowest of record.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March was 91 percent of average and 192 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 77 percent of average and 82 percent of last year.



Ennis Lake storage was 99 percent of average and 110 percent of last year and Hebgen Lake storage was 112 percent of average and 112 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 71 to 78 percent.

Surface Water Supply Index (SWSI) was -2.0 for the Madison River.

MADISON RIVER BASIN

Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	250	290	315	81	340	380	390
	APR-SEP	325	370	400	80	430	475	500
ENNIS Reservoir Inflow (2)	APR-JUL	395	460	505	74	550	615	680
	APR-SEP	510	585	640	75	695	770	850

MADISON RIVER BASIN

Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	31.0	28.2	31.2
HEBGEN LAKE	377.5	290.2	258.3	259.6

MADISON RIVER BASIN

Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	88	78
MADISON blw HEBGEN LAKE	12	82	68
MADISON RIVER BASIN	18	84	72

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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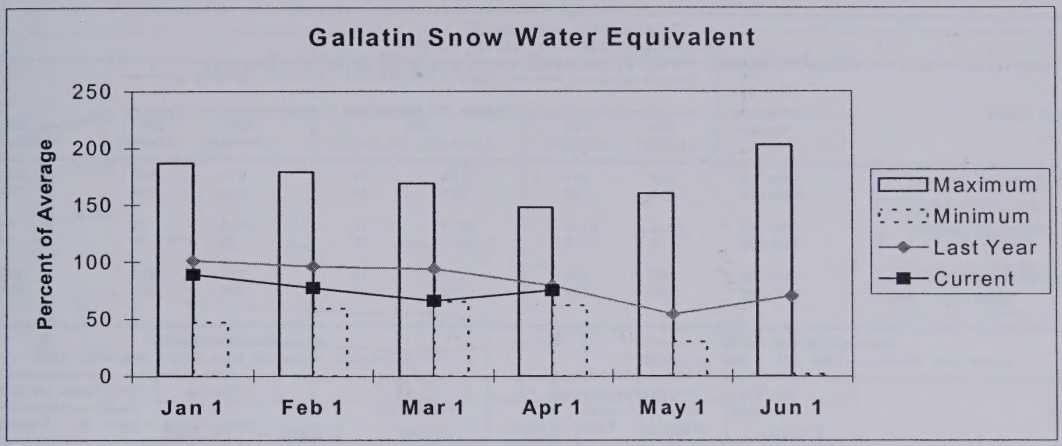
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

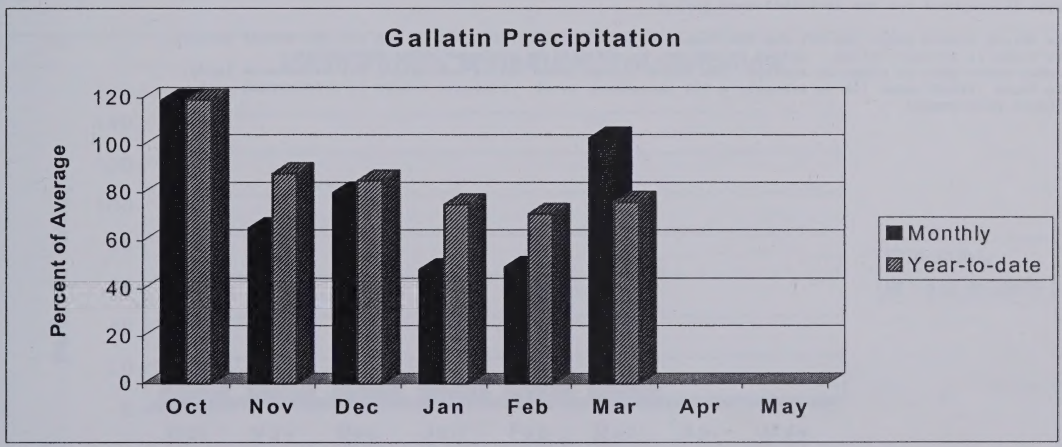
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were below average and increased 9 percent during March. Snow water content was 75 percent of average, 95 percent of last year, and third lowest of average.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 104 percent of average and 198 percent of last year. Valley precipitation during March was 88 percent of average and 194 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 76 percent of average and 89 percent of last year.



Middle Creek storage was 147 percent of average and 106 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 61 to 71 percent.

Surface Water Supply Index (SWSI) was -3.5 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	245	290	325	74	360	405	440
	APR-SEP	290	345	385	75	425	480	515
HYALITE RESERVOIR Inflow	APR-JUL	12.0	14.8	16.7	76	18.3	21	22
	APR-SEP	14.0	17.0	19.0	76	21	24	25
GALLATIN RIVER at Logan (2)	APR-JUL	150	250	315	64	380	480	495
	APR-SEP	195	305	380	67	455	565	570

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	6.9	6.5	4.7

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	7	86	72
HYALITE	4	100	72
BRIDGER	3	120	87
GALLATIN RIVER BASIN	14	95	75

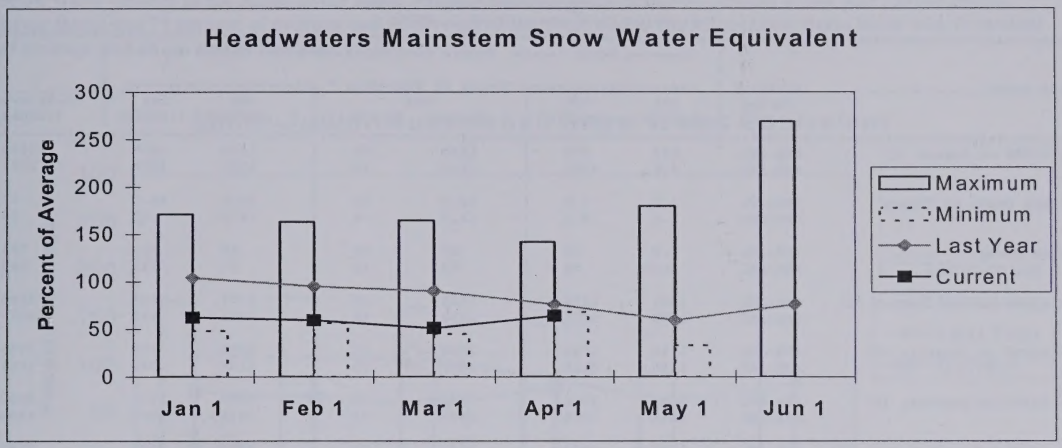
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

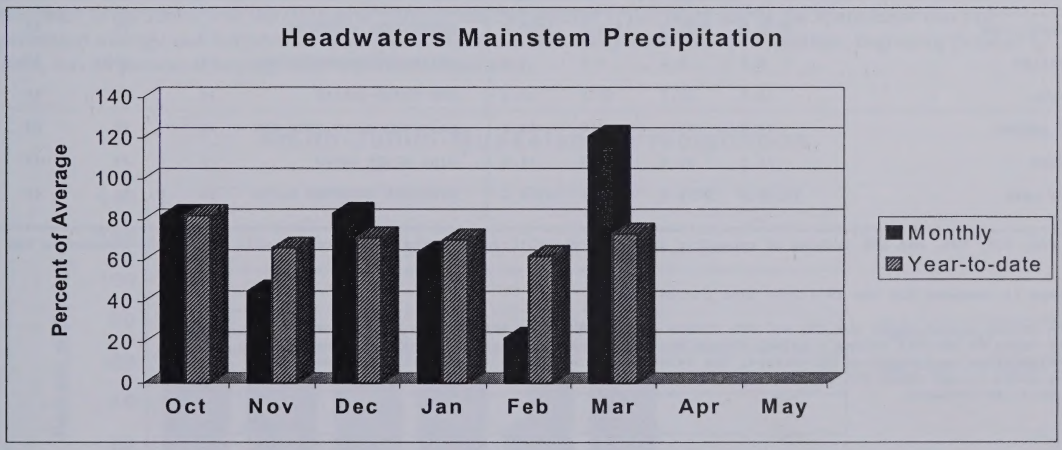
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were below average and increased 13 percent during March. Snow water content was 64 percent of average, 84 percent of last year, and has tied the previous record low with 1966.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961 and 1966; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 121 percent of average and 179 percent of last year. Valley precipitation during March was 121 percent of average and 281 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 73 percent of average and 79 percent of last year.



Canyon Ferry Lake storage was 94 percent of average and 100 percent of last year; Helena Valley storage was 233 percent of average and 217 percent of last year; Lake Helena storage was 82 percent of average and 98 percent of last year; Hauser & Helena storage was 116 percent of average and 99 percent of last year; Holter Lake storage was 109 percent of average and 100 percent of last year; and Fort Peck Lake storage was 59 percent of average and 89 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 45 to 60 percent.

Surface Water Supply Index (SWSI) was -3.3 in the Missouri River above Canyon Ferry; -4.0 in the Missouri River below Canyon Ferry; -3.1 in the Missouri River above Fort Peck; and -3.6 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	530	930	1200	59	1470	1870	2050
	APR-SEP	625	1090	1410	59	1730	2190	2390
PRICKLY PEAR CREEK nr Clancy	APR-JUL	1.6	6.8	10.4	50	14.0	18.8	21
	APR-SEP	1.8	8.0	12.2	49	16.8	23	25
DEARBORN nr Craig	APR-JUL	7.0	32	60	50	88	129	121
	APR-SEP	6.0	34	62	50	90	132	125
MISSOURI RIVER at Fort Benton (2)	APR-JUL	1001	1584	1980	66	2377	2957	2990
	APR-SEP	1180	1877	2350	66	2821	3530	3570
MISSOURI RIVER at Virgelle (2)	APR-JUL	1110	1783	2240	65	2695	3370	3450
	APR-SEP	1320	2112	2650	65	3186	3981	4060
MISSOURI RIVER nr Landusky (2)	APR-JUL	1042	1761	2250	61	2740	3460	3690
	APR-SEP	1245	2094	2670	61	3246	4091	4350
MISSOURI RIVER below Fort Peck (2)	APR-JUL	1135	1864	2360	63	2856	3586	3740
	APR-SEP	1302	2146	2720	63	3296	4141	4330
LAKE SAKAKAWEA Inflow (2)	APR-JUL	3240	5139	6430	66	7724	9624	9740
	APR-SEP	3702	5886	7370	66	8851	11041	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1381.0	1376.0	1467.8
HELENA VALLEY	9.2	9.1	4.2	3.9
LAKE HELENA	12.7	10.7	10.9	13.1
HAUSER & HELENA	74.6	73.1	74.0	62.8
HOLTER LAKE	81.9	80.6	81.0	74.1
FORT PECK LAKE	18910.0	8779.0	9838.0	14966.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	9	84	64
SMITH-JUDITH-MUSSELSHELL	18	90	77
SUN-TETON-MARIAS	14	66	48
MAINSTEM ab FT PECK RES	40	80	63
MILK RIVER BASIN	4	84	62
MISSOURI MAINSTEM BASIN	43	80	63

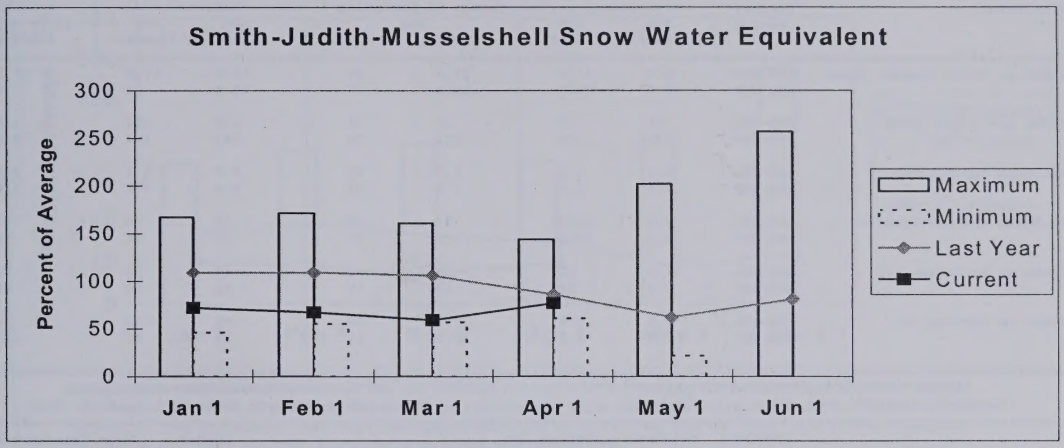
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

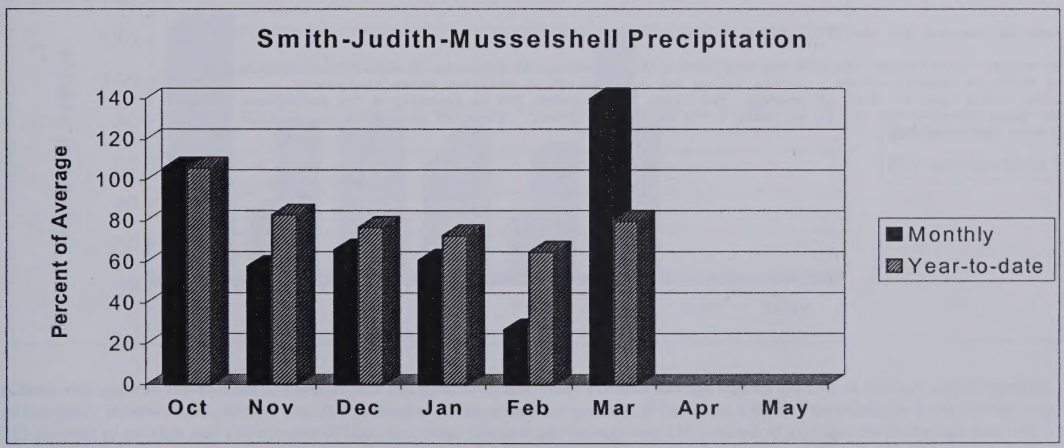
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were below average and increased 18 percent during March. Snow water content was 77 percent of average, 90 percent of last year, and fifth lowest of record. Snow water content in the Smith River Basin was 78 percent of average and 94 percent of last year; in the Judith River Basin was 79 percent of average and 82 percent of last year; and in the Musselshell Basin River was 75 percent of average and 98 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March in the Smith-Belts was 144 percent of average and 242 percent of last year; in the Judith was 149 percent of average and 261 percent of last year; and in the Musselshell was 116 percent of average and 328 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 80 percent of average and 80 percent of last year.



Smith River storage was 97 percent of average and 124 percent of last year; Bair storage was 78 percent of average and 130 percent of last year; Martinsdale storage was 38 percent of average and 98 percent of last year; and Deadman's Basin was 37 percent of average and 96 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 34 to 50 percent.

Surface Water Supply Index (SWSI) was -3.0 in the Smith River and -3.2 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	8.4	11.0	12.8	75	14.6	17.2	17.1
	APR-SEP	10.0	13.2	15.3	77	17.4	21	20
SMITH RIVER abv Eagle Creek	APR-JUL	45	77	98	56	119	151	175
	APR-SEP	52	93	121	58	149	192	210
NF MUSSELSHELL nr Delpine	APR-JUL	0.3	1.7	2.7	59	3.7	5.1	4.6
	APR-SEP	0.6	2.2	3.3	61	4.4	6.0	5.4
SF MUSSELSHELL abv Martinsdale	APR-JUL	0.5	14.0	27	52	40	60	52
	APR-SEP	1.1	15.0	29	52	43	64	56
MUSSELSHELL at Harlowton (2)	APR-JUL	6.0	21	32	42	43	58	77
	APR-SEP	6.0	22	33	41	44	60	81
MUSSELSHELL nr Roundup (2)	APR-JUL	0.0	3.8	17.8	18	32	52	99
	APR-SEP	0.0	3.0	17.0	17	31	51	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	7.2	5.8	7.4
BAIR	7.0	3.5	2.7	4.5
MARTINSDALE	23.1	4.1	4.2	10.9
DEADMAN'S BASIN	72.2	19.8	20.7	54.2

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	9	94	78
JUDITH	8	82	79
MUSSELSHELL	8	98	75
SMITH-JUDITH-MUSSELSHELL	18	90	77

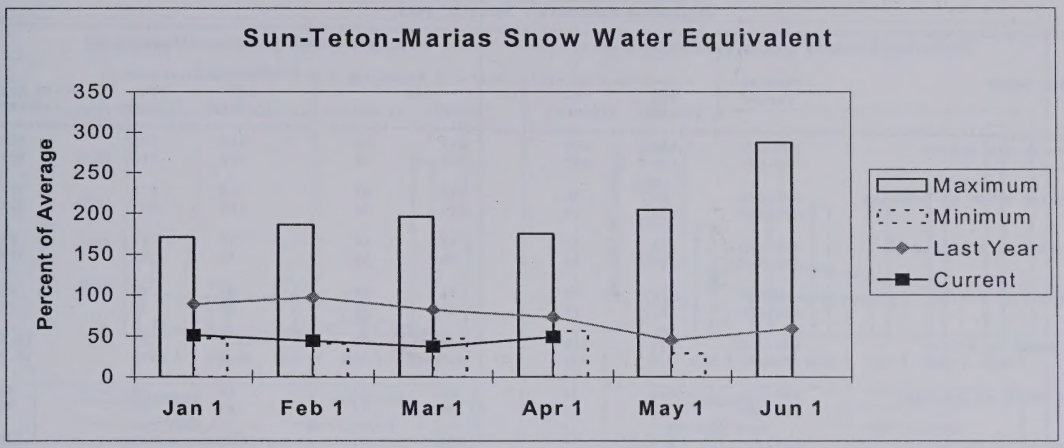
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

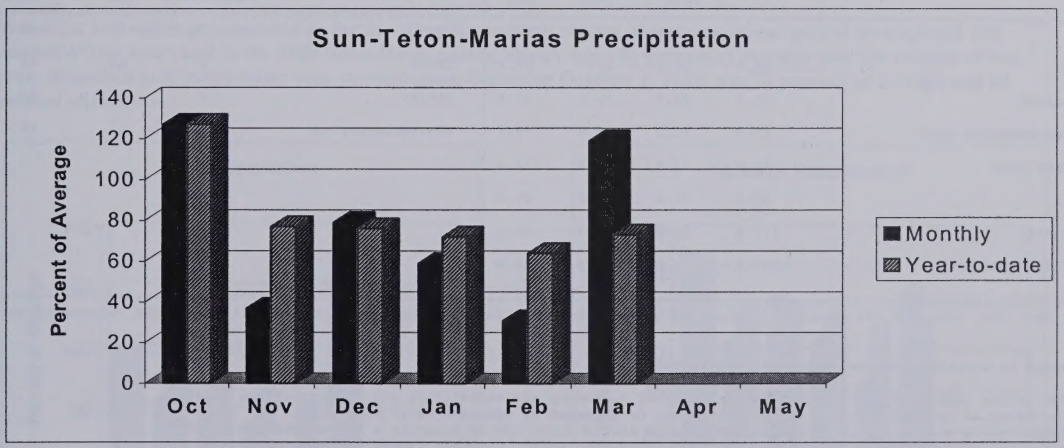
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were severely below average and increased 12 percent during March. Snow water content was 74 percent of average and 89 percent of last year. Snow water content in the Sun River Basin was 48 percent of average and 69 percent of last year; in the Teton River Basin was 45 percent of average and 59 percent of last year; and in the Marias River Basin was 48 percent of average and 63 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1984; April maximum swe was in 1972 and minimum swe was in 1984; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March in the Sun was 147 percent of average and 248 percent of last year; in the Teton was 112 percent of average and 155 percent of last year; and in the Marias was 114 percent of average and 172 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 73 percent of average and 90 percent of last year.



Gibson storage was 104 percent of average and 162 percent of last year; Pishkun storage was 91 percent of average and 89 percent of last year; Willow Creek storage was 112 percent of average and 137 percent of last year; Lower Two Medicine Lake storage was 121 percent of average and 195 percent of last year; Four Horns Lake storage was 115 percent of average; Swift storage was 130 percent of average and 114 percent of last year; Lake Frances storage was 52 percent of average and 78 percent of last year; and Lake Elwell (Tiber) storage was 108 percent of average and 96 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 34 to 49 percent.

Surface Water Supply Index (SWSI) was -3.8 in the Sun River; -4.0 in the Teton River; -3.7 in the Birch/Dupuyer Creeks; -3.9 in the Marias above Tiber Reservoir; and -3.6 in the Marias below Tiber Reservoir.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	145	205	245	53	285	345	460
	APR-SEP	180	245	285	56	325	390	505
TWO MEDICINE RIVER nr Browning	APR-JUL	46	85	112	55	139	178	205
	APR-SEP	55	94	121	56	148	187	215
BADGER CREEK nr Browning (2)	APR-JUL	29	49	63	64	77	97	99
	APR-SEP	40	61	76	66	91	112	115
SWIFT RESERVOIR Inflow	APR-JUL	13.7	29	40	63	51	66	64
	APR-SEP	21	38	49	64	60	77	77
DUPUYER CREEK nr Valier	APR-JUL	1.4	3.8	7.0	50	13.4	23	14.0
	APR-SEP	1.4	3.9	8.1	52	14.9	25	15.7
CUT BANK CREEK at Cut Bank	APR-JUL	16.4	32	43	53	54	70	81
	APR-SEP	20	38	50	56	62	80	90
MARIAS RIVER nr Shelby (2)	APR-JUL	8.0	96	155	37	215	300	415
	APR-SEP	17.0	105	165	38	226	311	440
TETON nr Dutton	APR-JUL	0.5	2.5	9.3	18	19.9	42	51
	APR-SEP	0.6	3.5	11.4	19	23	48	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	56.0	34.6	53.6
PISHKUN	32.0	16.7	18.7	18.3
WILLOW CREEK	32.2	26.7	19.5	23.8
LOWER TWO MEDICINE LAKE	11.9	11.7	6.0	9.7
FOUR HORNS LAKE	19.2	13.8	0.2	12.0
SWIFT	30.0	22.6	19.8	17.4
LAKE FRANCES	112.0	36.2	46.4	69.1
LAKE ELWELL (TIBER)	1347.0	694.9	720.3	645.6

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	7	69	48
TETON	4	59	45
MARIAS	6	63	48
SUN-TETON-MARIAS	15	67	49

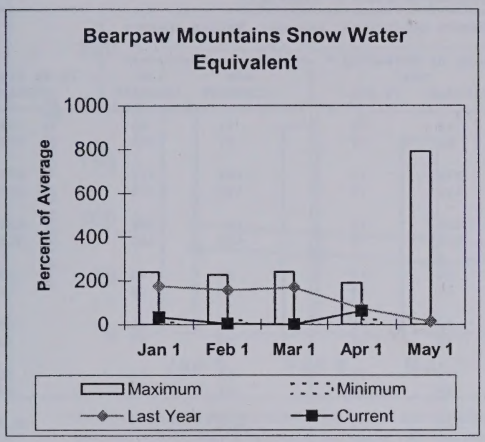
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

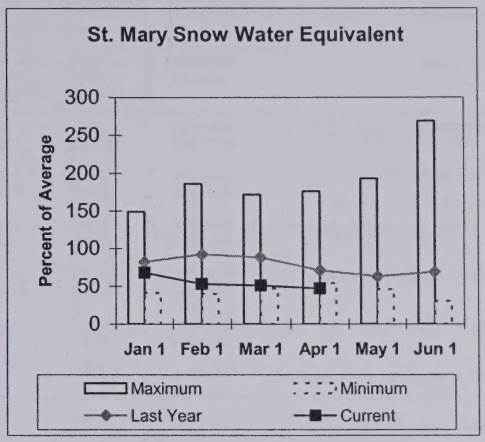
The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

St. Mary and Milk River Basins

Snowpack in the Saint Mary River Basin was severely below average and decreased 4 percent during March. Snow water content 47 percent of average, 65 percent of last year, and has set a new record low. The Milk River Basin (Bearpaw Mountains) was below average and increased 52 percent during March. Snow water content was 62 percent of average, 84 percent of last year, and seventh lowest of record.

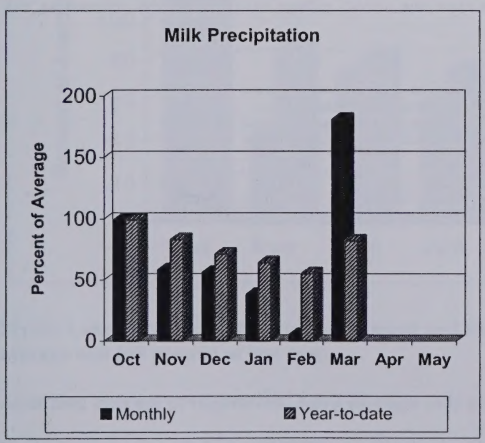


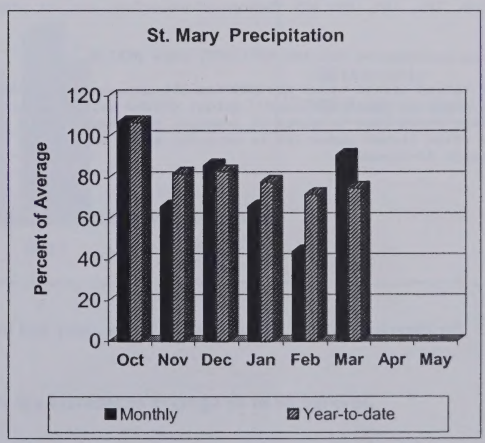


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 1995; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1967; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during March was 91 percent of average and 129 percent of last year; and in the Milk River Basin during March was 181 percent of average and 536 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 78 percent of average and 80 percent of last year.





Assuming average precipitation, April through July streamflows are forecast to average 51 to 66 percent.

Lake Sherburne storage was 181 percent of average and 249 percent of last year; Fresno storage was 53 percent of average and 136 percent of last year; Beaver Creek storage was 124 percent of average and 119 percent of last year; and Nelson storage was 110 percent of average and 106 percent of last year.

Surface Water Supply Index (SWSI) was -3.4 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	61	69	75	71	81	89	105
	APR-SEP	75	85	91	75	97	107	122
ST. MARY RIVER nr Babb (2)	APR-JUL	210	245	270	70	295	330	385
	APR-SEP	265	305	330	73	355	395	450
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	220	270	305	70	340	390	435
	APR-SEP	270	325	365	71	405	460	515
MILK RIVER @ Western Crossing (3)	APR-JUL	5.9	17.8	24	73	32	42	33
	APR-SEP	6.1	19.1	27	75	35	45	36
MILK RIVER @ Milk River, AB (2,3)	APR-JUL	9.9	29	39	71	52	66	55
	APR-SEP	11.2	33	43	69	59	77	62
MILK RIVER @ Eastern Crossing(2,3)	APR-JUL	9.7	30	45	74	55	76	61
	APR-SEP	11.1	35	50	72	66	83	69
BEAVER CREEK near Havre	APR-JUL	0.0	0.7	2.6	30	4.5	7.2	8.7

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	46.6	18.7	25.7
FRESNO	127.0	39.4	28.9	75.0
BEAVER CREEK	3.5	3.1	2.6	2.5
NELSON	66.8	39.1	37.0	35.6

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	3	65	47
BEARPAW MOUNTAINS	4	84	62
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	4	84	62
ST. MARY & MILK BASINS	7	68	49

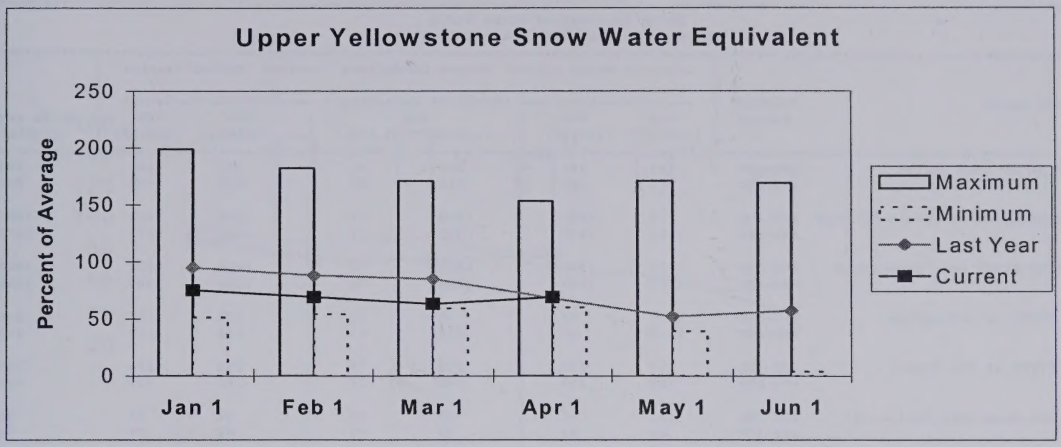
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

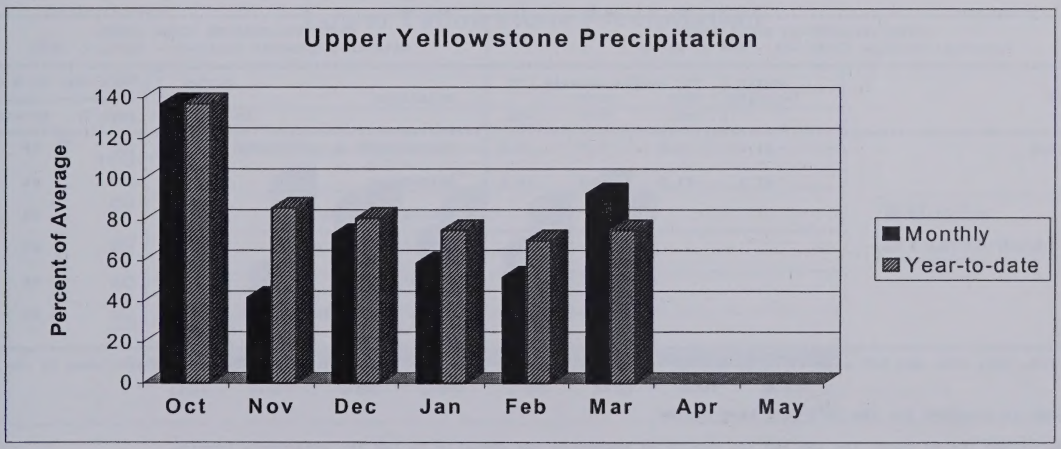
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were well below average and increased 9 percent during March. Snow water content was 69 percent of average, 102 percent of last year, and third lowest of record.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1971 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 93 percent of average and 189 percent of last year. Valley precipitation during March was 91 percent of average and 450 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 75 percent of average and 92 percent of last year.



Mystic Lake storage was 50 percent of average and 69 percent of last year; and Cooney storage was 126 percent of average and 108 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 59 to 69 percent.

Surface Water Supply Index (SWSI) was -3.1 in the Yellowstone River above Livingston; -3.0 in the Shields River; -3.6 in the Boulder River; -3.3 in the Stillwater River; -3.6 in the Rock/Red lodge Creeks; -3.2 in the Clarks Fork River; and -3.2 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	285	345	385	65	425	485	590
	APR-SEP	385	460	510	63	560	635	805
YELLOWSTONE RIVER at Corwin Springs	APR-JUL	915	1060	1160	70	1260	1400	1650
	APR-SEP	1110	1270	1390	71	1510	1670	1970
YELLOWSTONE RIVER near Livingston	APR-JUL	1120	1240	1320	70	1400	1520	1900
	APR-SEP	1360	1500	1600	70	1700	1840	2280
SHIELDS RIVER nr Livingston	APR-JUL	14.0	59	90	62	121	166	145
	APR-SEP	13.0	66	102	63	138	193	162
BOULDER RIVER at Big Timber	APR-JUL	154	195	225	79	255	295	285
	APR-SEP	163	210	245	78	280	325	315
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	37	43	47	80	51	57	59
	APR-SEP	47	54	59	78	64	71	76
STILLWATER RIVER nr Absarokee (2)	APR-JUL	260	320	365	74	410	470	495
	APR-SEP	320	390	435	74	480	550	585
CLARKS FORK RIVER nr Belfry	APR-JUL	275	325	360	67	395	445	540
	APR-SEP	295	350	385	65	420	475	595
COONEY RESERVOIR Inflow (2)	APR-JUL	1.9	17.0	27	57	37	52	47
	APR-SEP	9.0	24	35	61	46	61	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	1540	2090	2460	70	2830	3380	3510
	APR-SEP	1820	2460	2900	70	3340	3980	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	0.9	1.3	1.8
COONEY	27.4	23.0	21.3	18.3

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	18	103	69
SHIELDS	7	105	81
BOULDER-STILLWATER	7	93	68
RED LODGE-ROCK CREEK	6	108	63
CLARK'S FORK	7	97	65
UPPER YELLOWSTONE BASIN	41	102	69

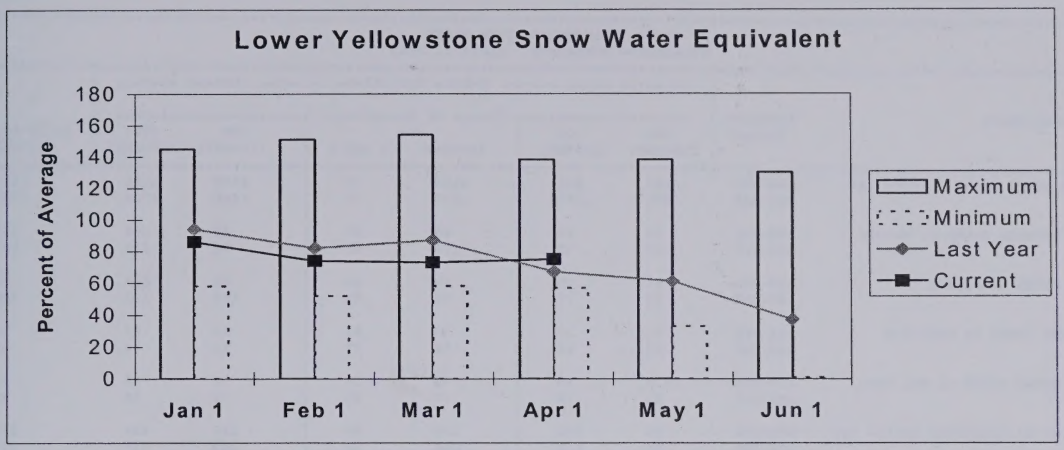
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

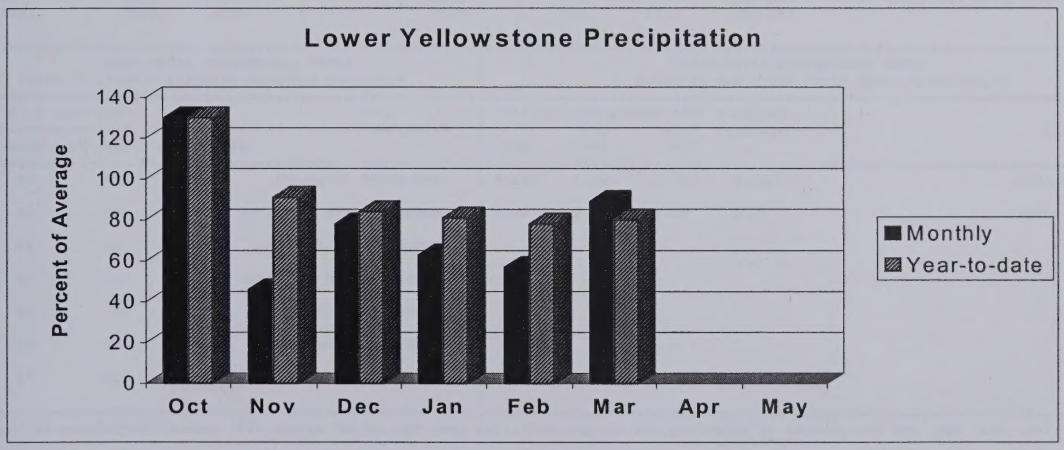
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were below average and increased 2 percent during March. Snow water content was 75 percent of average, 112 percent of last year, and third lowest of record.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March was 88 percent of average and 204 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 80 percent of average and 98 percent of last year.



Bighorn Lake storage was 80 percent of average and 97 percent of last year and Tongue River storage was 147 percent of average and 89 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 57 to 71 percent.

Surface Water Supply Index (SWSI) was -1.2 in the Bighorn River below Bighorn Lake; -3.5 in the Little Bighorn River; -2.3 in the Yellowstone River below Bighorn River; -2.4 in the Tongue River; and -2.2 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	740	990	1160	72	1335	1585	1610
	APR-SEP	810	1080	1270	72	1460	1730	1760
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	32	48	68	53	88	102	128
	APR-SEP	36	55	76	53	98	115	144
TONGUE RIVER nr Dayton (2)	APR-JUL	51	68	79	82	90	107	96
	APR-SEP	59	77	90	83	103	121	109
BIG GOOSE CREEK nr Sheridan	APR-JUL	23	36	45	87	54	67	52
	APR-SEP	29	43	52	87	61	75	60
LITTLE GOOSE CREEK nr Big Horn	APR-JUL	18.0	25	30	88	35	42	34
	APR-SEP	24	32	37	88	42	50	42
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	90	138	176	80	216	260	220
	APR-SEP	98	110	200	80	240	290	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	2350	3180	3750	70	4320	5150	5360
	APR-SEP	2700	3670	4330	70	4990	5960	6210
POWDER RIVER at Moorehead	APR-JUL	57	117	158	77	197	257	205
	APR-SEP	70	131	173	75	213	278	230
POWDER RIVER near Locate	APR-JUL	106	143	168	72	193	228	235
	APR-SEP	116	156	184	71	214	254	260
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	2510	3370	3950	72	4530	5390	5480
	APR-SEP	2850	3830	4500	72	5170	6150	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	647.1	666.3	809.9
TONGUE RIVER	79.1	44.2	49.4	30.1

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
WIND RIVER (Wyoming)	20	128	82
SHOSHONE RIVER (Wyoming)	7	94	59
BIGHORN RIVER (Wyoming)	21	98	68
LITTLE BIGHORN (Wyoming)	3	101	74
TONGUE RIVER (Wyoming)	11	107	75
POWDER RIVER (Wyoming)	9	111	81
LOWER YELLOWSTONE BASIN (	50	112	75

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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(2) - The value is natural volume - actual volume may be affected by upstream water management.
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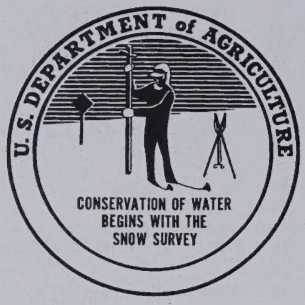

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Montana
Water Supply Outlook Report

Natural Resources Conservation Service
Bozeman, MT